# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

# **FORM 10-Q**

☑ QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended: June 30, 2022

OR

□ TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_\_ to \_\_\_\_\_

Commission File No. 001-36268

# MyMD Pharmaceuticals, Inc.

(Exact name of registrant as specified in its charter)

New Jersey

(State or other jurisdiction of incorporation)

22-2983783 (IRS Employer

Identification No.)

855 N. Wolfe Street, Suite 601 Baltimore, MD 21205

(Address of principal executive offices and zip code)

(856) 848-8698

(Registrant's telephone number, including area code)

#### Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of exchange on which registered
Common Stock, no par value per share	MYMD	The NASDAQ Capital Market

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by section 13 or 15(d) of the Securities Exchange Act of 1934 during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  $\boxtimes$  No  $\square$ 

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (\$232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes  $\boxtimes$  No  $\square$ 

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Non-accelerated filer	Accelerated filer Smaller reporting company	
	Emerging growth company	

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes 🗆 No 🗵

As of August 12, 2022, there were 38,058,245 shares outstanding of the registrant's common stock.

## EXPLANATORY NOTE

This report is the Quarterly Report on Form 10-Q for the quarter ended June 30, 2022 of MyMD Pharmaceuticals, Inc., which was formerly known as Akers Biosciences, Inc. prior to the consummation on April 16, 2021 of the merger described below.

On April 16, 2021, pursuant to the previously announced Agreement and Plan of Merger and Reorganization, dated November 11, 2020 (the "Original Merger Agreement"), as amended by Amendment No. 1 thereto, dated March 16, 2021 (the Original Merger Agreement, as amended by Amendment No. 1, the "Merger Agreement"), by and among MyMD Pharmaceuticals, Inc., a New Jersey corporation previously known as Akers Biosciences, Inc. (the "Company"), XYZ Merger Sub Inc., a Florida corporation and a wholly owned subsidiary of the Company ("Merger Sub"), and MyMD Pharmaceuticals (Florida), Inc., a Florida corporation previously known as MyMD Pharmaceuticals (Florida), Inc., a Florida corporation previously known as MyMD Pharmaceuticals, Inc. ("MyMD Florida"), Merger Sub was merged with and into MyMD Florida, with MyMD Florida continuing after the merger as the surviving entity and a wholly owned subsidiary of the Company (the "Merger"). At the effective time of the Merger, without any action on the part of any stockholder, each issued and outstanding share of pre-Merger MyMD Florida's common stock, par value \$0.001 per share (the "MyMD Florida Common Stock"), including shares underlying pre-Merger MyMD Florida's outstanding equity awards, was converted into the right to receive (x) 0.7718 shares (the "Exchange Ratio") of the Company form the exercise of any options to "Company Common Stock"), (y) an amount in cash, on a pro rata basis, equal to the aggregate cash proceeds received by the Company for the Merger prior to the second-year anniversary of the closing of the Merger (the "Option Exercise Period"), such payment (the "Additional Consideration"), and (z) potential milestone payments in shares of

Company Common Stock up to the aggregate number of shares issued by the Company to pre-merger MyMD Florida stockholders at the closing of the Merger payable upon the achievement of certain market capitalization milestone events during the 36-month period immediately following the closing of the Merger. Immediately following the effective time of the Merger, the Company effected a 1-for-2 reverse stock split of the issued and outstanding Company Common Stock (the "Reverse Stock Split"). Upon completion of the Merger and the transactions contemplated in the Merger Agreement, (i) the former MyMD Florida equity holders owned approximately 77.05% of the outstanding equity of the Company on a fully diluted basis, assuming the exercise in full of the pre-funded warrants to purchase 986,486 shares of Company Common stock and including 4,188,315 shares of Company Common Stock underlying options to purchase shares of MyMD Florida Common Stock assumed by the company at closing and after adjustments based on the Company's net cash at closing; and (ii) former Akers Biosciences, Inc. stockholders owned approximately 22.95% of the outstanding equity of the Company.

The Merger is being treated as a reverse recapitalization effected by a share exchange for financial accounting and reporting purposes. MyMD Florida is being treated as the accounting acquirer, as its stockholders control the Company after the Merger, even though Akers Biosciences, Inc. was the legal acquirer.

See Note 1 of the Unaudited Condensed Consolidated Financial Statements for additional information.

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## **PART I - FINANCIAL INFORMATION**

## Item 1. Financial Statements.

## MYMD PHARMACEUTICALS, INC. AND SUBSIDIARIES Condensed Consolidated Balance Sheets June 30, 2022 and December 31, 2021

(unaudited)

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		As of				
		lune 30, 2022		December 31, 2021		
ASSETS						
Current Assets						
Cash and Cash Equivalents	\$	1,115,174	\$	555,967		
Marketable Securities		4,505,825		11,003,071		
Prepaid Expenses		1,371,407		1,106,347		
Total Current Assets		6,992,406		12,665,385		
Non-Current Assets						
Operating Lease Right-of-Use Assets		170,226		149,009		
Goodwill		10,498,539		10,498,539		
Investment in Oravax, Inc.		1,500,000		1,500,000		
Total Non-Current Assets		12,168,765		12,147,548		
Total Assets	<u>\$</u>	19,161,171	\$	24,812,933		
LIABILITIES						

Current Liabilities

Trade and Other Payables	\$ 2,841,535	\$ 986,626
Operating Lease Liability	 61,519	 53,240
Total Current Liabilities	 2,903,054	 1,039,866
Non-Current Liabilities		
Due to MyMD Florida Shareholders	29,982	29,982
Operating Lease Liability, net of current portion	 109,792	 95,911
Total Non-Current Liabilities	 139,774	 125,893
Total Liabilities	\$ 3,042,828	\$ 1,165,759
Commitments and Contingencies		
SHAREHOLDERS' EOUITY		
Preferred Stock, no par value, 50,000,000 total preferred shares authorized		-
Series D Convertible Preferred Stock, 211,353 shares designated, no par value and a stated value of \$0.01 per share, 72,992 shares issued and outstanding as of June 30, 2022 and December 31, 2021	144,524	144,524
Common stock, no par value, 500,000,000 shares authorized 38,058,245 and 37,673,110 issued and		
outstanding as of June 30, 2022 and December 31, 2021	102,293,464	102,064,218
Accumulated Deficit	(86,319,645)	(78,561,568)
	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Total Shareholders' Equity	 16,118,343	 23,647,174
Total Liabilities and Shareholders' Equity	\$ 19,161,171	\$ 24,812,933

See accompanying notes to the condensed consolidated financial statements

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## MYMD PHARMACEUTICALS, INC. AND SUBSIDIARIES Condensed Consolidated Statements of Comprehensive Loss (unaudited)

		For the Three Months Ended June 30,				For the Six Months Ended June 30,			
		2022		2021		2022		2021	
Product Revenue	\$	-	\$	-	\$	-	\$	-	
Product Cost of Sales		-		-		-		-	
Gross Income		-		-		-		-	
A desirie and the Provenues		1 246 762		1 5 40 202		0 741 975		2 (19 555	
Administrative Expenses		1,346,763		1,540,392		2,741,875		2,618,555	
Research and Development Expenses		2,163,968		1,661,265 40,526		4,793,711		3,012,242	
Interest Expense and Debt Discount Amortization of Intangible Assets		-		40,526		-		701,090	
		-		-		-		-	
Stock Option Modification Expenses		132,246		15,036,051	_	229,245		15,036,051	
Loss from Operations		(3,642,977)		(18,278,234)		(7,764,831)		(21,367,938)	
Other (Income) Expenses									
Interest and Dividend Income		(5,986)		(5,641)		(6,106)		(5,641)	
(Gain)/Loss on Sale of Marketable Securities		1,999		(41,447)		3,649		(41,447)	
Unrealized (Gain)/Loss on Marketable Securities		(2,947)		41,447		145		41,447	
Gain on Debt Forgiveness		(2,517)		(180,257)		-		(180,257)	
Uninsured Casualty Loss		-		(100,257)		(4,442)		(100,257)	
						(1,112)			
Total Other Income		(6,934)		(185,898)		(6,754)		(185,898)	
							_		
Loss Before Income Tax		(3,636,043)		(18,092,336)		(7,758,077)		(21,182,040)	
Income Tax Benefit		_							
Net Loss	\$	(3,636,043)	\$	(18,092,336)	\$	(7,758,077)	\$	(21,182,040)	
Basic and Diluted loss per common share	\$	(0.09)	\$	(0.50)	\$	(0.20)	\$	(0.66)	
	_		_						
Weighted average basic and diluted common shares outstanding		38,325,311		35,906,891		38,224,679		32,250,413	

See accompanying notes to the condensed consolidated financial statements

# (unaudited)

# Series D Convertible

	Preferre	Preferred Stock Comm		on Stock		
	Shares	Series D	Shares	Common Stock	Accumulated Deficit	Total Equity
Balance at December 31, 2021	72,992	\$ 144,524	37,673,110	\$102,064,218	\$ (78,561,568)	\$23,647,174
Exercise of prepaid equity forward contracts for common stock	-	-	385,135	-	-	-
Stock-based compensation – stock options	-	-	-	81,002	-	81,002
Stock-based compensation - restricted stock units	-	-	-	15,998	-	15,998
Net loss					(4,122,034)	(4,122,034)
Balance at March 31, 2022	72,992	\$ 144,524	38,058,245	\$102,161,218	\$ (82,683,602)	\$19,622,140
Stock-based compensation – stock options	-	-	-	132,246	-	132,246
Net loss	-	-	-		(3,636,043)	(3,636,043)
Balance at June 30, 2022	72,992	<u>\$ 144,524</u>	38,058,245	\$ 102,293,464	<u>\$ (86,319,645</u> )	\$ 16,118,343

				Common Stock								
	Series D Convertible <u>Preferred Stock</u> Shares Serie		le	Shares	Common Stock		Stock Par		Stock Addition		Accumulated Deficit	Total Equity
Balance at December 31, 2020	Shares		eries D	Silares	NUTAI	φ	0.0001	Capital	Denen	Equity		
(restated)	-	\$	-	28,553,307		\$	4,004	43,411,487	\$ (48,672,525)	\$ (5,257,034)		
Net loss	-		-	-	-		-		(3,089,704)	(3,089,704)		
						_						
Balance at March 31, 2021	-	\$	-	28,553,307	\$ -	\$	4,004	\$ 43,411,487	\$ (51,762,229)	\$ (8,346,738)		
Reverse merger with Akers Biosciences Inc effective April 16, 2021	72,992		144,524	8,335,627	85,748,325		(4,004)	(43,411,487)	_	42,477,358		
Modification of the terms of 4,188,315 pre-merger MyMD stock options per the terms of the merger agreement	-		-	-	15,036,051		-	-	-	15,036,051		
Exercise of prepaid equity forward contracts for common stock	-		-	466,716	-		-	-	-	-		
Net loss		_							(18,092,336)	(18,092,336)		
Balance at June 30, 2021	72,992	\$	144,524	37,355,650	\$100,784,376	\$		\$	\$ (69,854,565)	\$ 31,074,335		

See accompanying notes to the condensed consolidated financial statements

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# MYMD PHARMACEUTICALS, INC. AND SUBSIDIARIES Condensed Consolidated Statements of Cash Flows (unaudited)

	For the Six Months Ended June 30,				
		2022		2021	
Cash flows from operating activities:					
Net loss	\$	(7,758,077)	\$	(21,182,040)	
Adjustments to reconcile net loss to net cash used in operating activities:					
Accrued interest/dividends		-		4,496	
Amortization of debt discount		-		608,460	
Amortization of intangible assets		-		-	
Gain on sale of marketable securities		3,649		(41,447)	
Unrealized loss on marketable securities		145		41,447	
Gain on forgiveness of debt		-		(180,258)	
Stock based compensation					
Options modification expense		-		15,036,051	
Options issued to key employees		208,332		-	
Options issued to non-employees		4,916		-	
Restricted stock units to non-employees		15,998		-	
Change in assets and liabilities					
Prepaid Expenses		(265,060)		(557,279)	
Trade and Other Payables		1,854,909		(1,988,204)	
Operating Leases		943		278	
Net cash used by operating activities		(5,934,245)		(8,258,496)	
Cash flows from investing activities:					
Purchases of marketable securities		(6,548)		(10,137)	
Proceeds from sale of marketable securities		6,500,000		9,983,176	
Net cash received in business combination		-		1,380,852	
Net cash provided by investing activities		6,493,452		11,353,891	
Cash flows from financing activities					
Consumed by the payoff of the line of credit – related party		-		(3,062,444)	
Net proceeds from line of credit - related party		-		120,000	

Net proceeds from note payable		-		1,826,137
Net cash provided (used) by financing activities		-		(1,116,307)
Net increase in cash		559,207		1,979,088
Cash at beginning of period		555,567		148,284
Cash at end of period	\$	1,115,174	\$	2,127,372
	<u></u>		-	
Supplemental cash flow information				
Cash paid for:				
Interest	\$	-	\$	271,800
Income Taxes	\$	-	\$	-
	<u></u>		<u> </u>	
Supplemental Schedule of Non-Cash Financing and Investing Activities				
Operating lease right-of-use asset obtained in exchange for lease obligation	\$	53,196	\$	-
Investment in Oravax, Inc. included in trade and other payables.	\$	-	\$	1,500,000

See accompanying notes to the condensed consolidated financial statements

#### MYMD PHARMACEUTICALS, INC. AND SUBSIDIARIES Notes to Condensed Consolidated Financial Statements (Unaudited)

## Note 1 - Organization and Description of Business

MyMD Pharmaceuticals, Inc., previously known as Akers Biosciences, Inc., is a New Jersey corporation ("MyMD"). These condensed consolidated financial statements include four wholly owned subsidiaries as of June 30, 2022, MyMD Pharmaceuticals (Florida), Inc. ("MyMD Florida"), XYZ Merger Sub, Inc. ("Merger Sub"), Akers Acquisition Sub, Inc. and Bout Time Marketing Corporation, (together, the "Company"). All material intercompany transactions have been eliminated in consolidation.

MyMD Florida was formed in 2014 and is a Florida-based clinical development stage biopharmaceutical company that is developing its product candidate, MYMD-1, as an immuno regulator to treat autoimmune diseases, ageing-related diseases. Substantive operations began in 2016 and the Company's Investigative New Drug application was filed with the U.S. Food and Drug Administration in December 2018. MyMD Florida completed its first-in-human Phase 1 clinical trial in December 2019. A second Phase 1 dosing study was completed in December 2021. MYMD-1 is being developed to treat age-related illnesses such as frailty and sarcopenia. MYMD-1 works by regulating the release of numerous pro-inflammatory cytokines, such as TNF- $\alpha$ , interleukin 6 ("IL-6") and interleukin 17 ("IL-17"). MYMD-1 currently is being evaluated in a multicenter Phase 2 clinical trial in patients with sarcopenia and frailty (age-related muscle loss). MyMD Florida's intellectual property portfolio consists of 15 U.S. granted patents, 10 granted foreign patents and 23 pending applications (3 US, 19 foreign, one international).

Supera Pharmaceuticals, Inc. ("Supera") was formed in September 2018 and is a Florida based development company that is developing its product candidate "Supera-CBD" as an FDA-approved synthetic analog of naturally grown cannabidiols. Substantially all of Supera's research and development activities in 2020 and 2021 were related to intellectual property development and securing patents, along with product manufacturing and planning initial pre-clinical development activities. During the year ended December 31, 2021, these activities included preclinical work on Supera-CBD confirming it effectiveness in treating anxiety. The preclinical data was presented at the 4<sup>th</sup> Annual International Cannabinoid Summit describing the superior potency of Supera-CBD. Supera-CBD preclinical genotoxicity studies were completed in February 2022.

On April 16, 2021, pursuant to the previously announced Agreement and Plan of Merger and Reorganization, dated November 11, 2020 (the "Original Merger Agreement"), as amended by Amendment No. 1 thereto, dated March 16, 2021 the Original Merger Agreement, as amended by Amendment No. 1 (the "Merger Agreement"), by and among MyMD, Merger Sub and MyMD Florida, Merger Sub was merged with and into MyMD Florida, with MyMD Florida continuing after the merger as the surviving entity and a wholly owned subsidiary of MyMD (the "Merger"). At the effective time of the Merger, without any action on the part of any stockholder, each issued and outstanding share of pre-Merger MyMD Florida's common stock, par value \$0.001 per share (the "MyMD Florida Common Stock"), including shares underlying pre-Merger MyMD Florida's outstanding equity awards, was converted into the right to receive (x) 0.7718 shares (the "Exchange Ratio") of MyMD's common stock, no par value per share (the "Company Common Stock"), (y) an amount in cash, on a pro rata basis, equal to the aggregate cash proceeds received by the Company from the exercise of any options to purchase shares of MyMD Florida Common Stock outstanding at the effective time of the Merger assumed by the Company upon closing of the Merger prior to the second-year anniversary of the closing of the Merger (the "Option Exercise Period"), such payment (the "Additional Consideration"), and (z) potential milestone payment in shares of Company Common Stock up to the aggregate number of shares issued by the Company Plorida stockholders at the closing of the Merger (the "Milestone Payments") payable upon the achievement of certain market capitalization milestone events during the 36-month period immediately following the elfective time of the Merger MyMD Florida at 1-for-2 reverse stock split of the issued and outstanding Company Common Stock (the "Reverse Stock Split").

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On April 16, 2021, MyMD Florida entered into an Asset Purchase Agreement with Supera, a related company through common control, in which Supera was acquired by MyMD Florida through the issuance of 33,937,909 shares of pre-Merger MyMD Florida's common stock. The Supera entity was dissolved pursuant to this transaction.

In connection with the closing of the Merger, the Company changed its name to MyMD Pharmaceuticals, Inc. and the Company's Common Stock listed on The Nasdaq Capital Market, previously trading through the close of business on April 16, 2021 under the trading symbol "AKER", commenced trading on The Nasdaq Capital Market, on a post-Reverse Stock Split adjusted basis, under the trading symbol "MYMD" on April 19, 2021.

## Note 2 - Significant Accounting Policies

## (a) Basis of Presentation

The Condensed Consolidated Financial Statements of the Company are prepared in U.S. Dollars and in accordance with accounting principles generally accepted in the United States of America (US GAAP).

The accompanying unaudited condensed financial statements have been prepared by the Company. These statements include all adjustments (consisting only of normal recurring adjustments) which management believes necessary for a fair presentation of the statements and have been prepared on a consistent basis using the accounting policies described in Note 2 Significant Accounting Policies included in the Notes to Financial Statements included in the Company's Annual Report on Form 10-K for the year ended December 31, 2021, as filed with the Securities and Exchange Commission on March 31, 2022 (the "2021 Annual Report"). Certain financial information and footnote disclosures normally included in financial statements prepared in accordance with generally accepted accounting principles have been condensed or omitted pursuant to such

rules and regulations, although the Company believes that the accompanying disclosures are adequate to make the information presented not misleading. The Notes to Financial Statements included in the 2021 Annual Report should be read in conjunction with the accompanying interim financial statements. The interim operating results for the three and six months ended June 30, 2022 may not be necessarily indicative of the operating results expected for the full year.

The Company effected a 1-for-2 reverse stock split immediately following the effective time of the Merger. No fractional shares were issued in connection with the Reverse Stock Split. Each stockholder who did not have a number of shares evenly divisible pursuant to the Reverse Stock Split ratio and who would otherwise be entitled to receive a fractional share of Company Common Stock was entitled to receive an additional share of Company Common Stock. The number of shares on equity related disclosures included in this Quarterly Report on Form 10-Q, including the condensed consolidated financial statements and accompanying notes, were retroactively adjusted to reflect the effects of the Reverse Stock Split and the Exchange Ratio.

## (b) Use of Estimates and Judgments

The preparation of financial statements in conformity with US GAAP requires management to make judgments, estimates and assumptions that affect the application of accounting policies and the reported amounts of assets, liabilities and expenses. Actual results may differ from these estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected. Information about significant areas of estimation, uncertainty and critical judgments in applying accounting policies that have the most significant effect on the amounts recognized in the financial statements is included in the following notes for recording research and development expenses, impairment of intangible assets and the valuation of share-based payments.

## (c) Functional and Presentation Currency

These condensed consolidated financial statements are presented in U.S. Dollars, which is the Company's functional currency. All financial information has been rounded to the nearest dollar. Foreign Currency Transaction Gains or Losses, resulting from cash balances denominated in Foreign Currencies, are recorded in the Condensed Consolidated Statements of Operations and Comprehensive Loss.

#### (d) Comprehensive Loss

The Company follows Financial Accounting Standards Board Accounting Standards Codification ("FASB ASC") 220 in reporting comprehensive loss. Comprehensive income is a more inclusive financial reporting methodology that includes disclosure of certain financial information that historically has not been recognized in the calculation of net income. Since the Company has no items of other comprehensive income (loss), comprehensive loss is equal to net loss.

#### (e) Cash and Cash Equivalents

The Company considers all highly liquid investments, which include short-term bank deposits (up to three months from date of deposit) that are not restricted as to withdrawal date or use, to be cash equivalents.

#### (f) Fair Value of Financial Instruments

The Company's financial instruments consist of cash and cash equivalents, marketable securities, receivables and trade and other payables. The carrying value of cash and cash equivalents, receivables and trade and other payables approximate their fair value because of their short maturities.

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under FASB ASC 820 are described as follows:

- Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Company has the ability to access.
- Level 2 Inputs to the valuation methodology include:
  - quoted prices for similar assets or liabilities in active markets;
  - quoted prices for identical or similar assets or liabilities in inactive markets;
  - inputs other than quoted prices that are observable for the asset or liability;
  - inputs that are derived principally from or corroborated by observable market data by correlation or other means

If the asset or liability has a specified (contractual) term, the level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

#### (f) Fair Value of Financial Instruments, continued

The following is a description of the valuation methodologies used for assets measured at fair value as of June 30, 2022 and December 31, 2021.

Marketable Securities: Valued using quoted prices in active markets for identical assets.

	Quoted Prices Markets for Assets or Liabi 1)	Identical	Quoted Prices for Similar Assets or Liabilities in Active Markets (Level 2)	Significant Unobservable
Marketable securities at June 30, 2022	\$	4,505,825	\$ -	\$ -
Marketable securities at December 31, 2021	\$	11,003,071	<u>\$</u>	\$

Marketable securities are classified as available for sale and are valued at fair market value. Maturities of the securities are less than one year.

As of June 30, 2022, the Company held certain mutual funds, which, under FASB ASC 321-10, were considered equity investments. As such, the change in fair value in the three and six months ended June 30, 2022 was a gain of \$2,947 and a loss of \$145, respectively.

Gains and losses resulting from the sales of marketable securities were losses of \$1,999 and gains of \$41,447 for the three months ended June 30, 2022 and 2021, respectively, and losses of \$3,649 and gains of \$41,447 for the six months ended June 30, 2022 and 2021, respectively

Proceeds from the sales of marketable securities in the six months ended June 30, 2022 were \$,500,000. Proceeds from the sales of marketable securities in the six months ended June 30, 2021 were \$9,983,176.

## (g) Prepaid Expenses

Prepaid expenses represent expenses paid prior to the date that the related services are rendered or used are comprised principally of prepaid insurance and research and development expenses.

## (h) Concentrations

Financial instruments that potentially subject the Company to concentrations of credit risk consist principally of cash on deposit with financial institutions and accounts receivable. At times, the Company's cash in banks is in excess of the FDIC insurance limit. The Company has not experienced any loss as a result of these cash deposits. These cash balances are maintained with three banks as of June 30, 2022.

#### (i) Risk Management of Cash and Investments

It is the Company's policy to minimize the Company's capital resources to investment risks, prioritizing the preservation of capital over investment returns. Investments are maintained in securities, primarily publicly traded, short-term money market funds based on highly rated federal, state and corporate bonds, that minimize the risk to the Company's capital resources and provide ready access to funds.

The Company's investment portfolios are regularly monitored for risk and are held with one brokerage firm.

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#### (j) Investments

Investments recorded using the cost method will be assessed for any decrease in value that has occurred that is other than temporary and the other than temporary decrease in value shall be recognized. As and when circumstances and facts change, the Company will evaluate the Company's ability to significantly influence operational and financial policy to establish a basis for converting the investment accounted for using the cost method to the equity method of valuation in accordance with FASB ASC 323.

In accordance with FASB ASC 323, the Company recognizes investments in joint ventures based upon the Company's ability to significantly influence the operational or financial policies of the joint venture. An objective judgment of the level of influence is made at the time of the investment based upon several factors including, but not limited to the following:

- a) Representation on the Board of Directors
- b) Participation in policy-making processes
- c) Material intra-entity transactions
- d) Interchange of management personnel
- e) Technological dependencies
- f) Extent of ownership and the ability to influence decision making based upon the makeup of other owners when the shareholder group is small.

The Company follows the equity method for valuating investments in joint ventures when the existence of significant influence over operational and financial policy has been established, as determined by management; otherwise, the Company will valuate these investments using the cost method.

The investment in Oravax Medical, Inc. ("Oravax") (Note 3) is accounted for using the cost method.

#### (k) Property, Plant and Equipment

Items of property, plant and equipment are measured at cost less accumulated depreciation and accumulated impairment losses. Costs include expenditures that are directly attributable to the acquisition of the asset.

Gains and losses on disposal of an item of property, plant and equipment are determined by comparing the proceeds from disposal with the carrying amount of property, plant and equipment and are recognized within "other (income)/expense" in the Condensed Consolidated Statements of Comprehensive Loss.

Depreciation is recognized over the estimated useful lives of the property, plant and equipment. Leased assets are depreciated over the shorter of the lease term or their useful lives.

The estimated useful lives for the current and comparative periods are as follows:

	Useful Life
	(in years)
Plant and equipment	5-12
Furniture and fixtures	5-10
Computer equipment & software	3-5
Leasehold Improvements	Shorter of the remaining lease or estimated useful life
	estimated useful life

Depreciation methods, useful lives and residual values are reviewed at each reporting date.

#### (l) Intangible Assets

The Company's long-lived intangible assets, other than goodwill, are assessed for impairment when events or circumstances indicate there may be an impairment. These assets were initially recorded at their estimated fair value at the time of acquisition and assets not acquired in acquisitions were recorded at historical cost. However, if their estimated fair value is less than the carrying amount, other intangible assets with indefinite lives are reduced to their estimated fair value through an impairment charge in the Condensed Consolidated Statements of Comprehensive Loss.

#### Patents and Trade Secrets

Propriety protection for the Company's products, technology and process is important to its competitive position. As of August 15, 2022, the Company has 16 issued U.S. patents, 14 foreign patents, three pending U.S. patent applications and 17 foreign patent applications pending in such jurisdictions as Australia, Canada, China, European Union, Israel, Japan and South Korea, which if issued are expected to expire between 2036 and 2041. Management intends to protect all other intellectual property (e.g. copyrights, trademarks and trade secrets) using all legal remedies available to the Company.

The Company records expenses related to the application for and maintenance of patents as a component of research and development expenses on the Condensed Consolidated Statement of Comprehensive Loss.

#### Patent Costs

Patents may be purchased from third parties. The costs of acquiring the patent are capitalized as patent costs if it represents a future economic benefit to the Company. Once a patent is acquired it is amortized over its remaining useful life and assessed for impairment when necessary.

#### Other Intangible Assets

Other intangible assets that are acquired by the Company, which have definite useful lives, are measured at cost less accumulated amortization and accumulated impairment losses.

#### Amortization

Amortization is recognized on a straight-line basis over the estimated useful lives of intangible assets, other than goodwill, from the date that they are available for use. The estimated useful lives for the current and comparative periods are as follows:

	Useful Life
	(in years)
Patents and trademarks	12-17

#### (m) Goodwill

Goodwill is evaluated annually for impairment or whenever we identify certain triggering events or circumstances that would more likely than not reduce the fair value below its carrying amount. Events or circumstances that might indicate an interim evaluation is warranted include, among other things, unexpected adverse business conditions, economic factors (for example, the loss of key personnel), supply costs, unanticipated competitive activities, and acts by governments and courts.

#### (n) Recoverability of Long-Lived Assets

In accordance with FASB ASC 360-10-35 "Impairment or Disposal of Long-lived Assets", long-lived assets to be held and used are analyzed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be fully recoverable or that the useful lives of those assets are no longer appropriate. The Company evaluates at each balance sheet date whether events and circumstances have occurred that indicate possible impairment.

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The Company determines the existence of such impairment by measuring the expected future cash flows (undiscounted and without interest charges) and comparing such amount to the carrying amount of the assets. An impairment loss, if one exists, is then measured as the amount by which the carrying amount of the asset exceeds the discounted estimated future cash flows. Assets to be disposed of are reported at the lower of the carrying amount or fair value of such assets less costs to sell. Asset impairment charges are recorded to reduce the carrying amount of the long-lived asset that will be sold or disposed of to their estimated fair values. Charges for the asset impairment reduce the carrying amount of the long-lived assets to their estimated salvage value in connection with the decision to dispose of such assets.

#### (o) Right-of-Use Assets

The Company leased a facility in Tampa, Florida ("Hyde Park") under an operating lease ("Hyde Park Lease") with annual rentals of 22,048 to 23,320 plus certain operating expenses. The Hyde Park facility housed the MyMD Florida operations. The Hyde Park Lease took effect on July 1, 2019 for a term of 36 months to expire on June 30, 2022. The Company cancelled the Hyde Park lease in March 2022 without penalty.

The Company leased an aircraft under an operating lease ("Supera Aviation Lease") with annual rentals of \$600,000 plus certain operating expenses. The Supera Aviation Lease took effect on October 26, 2018 for a term of 36 months to expire on September 26, 2021. The Company cancelled the Supera Aviation Lease in April 2021 without penalty.

The Company leased a facility in Baltimore, Maryland ("2020 Wolfe St") under an operating lease ("2020 Baltimore Lease") with annual rentals of \$24,000 to \$25,462 plus certain operating expenses. The 2020 Baltimore Lease took effect on November 9, 2020 for a term of 12 months with automatic renewals unless a sixty day notice was provided. The initial term expired on November 30, 2021. On November 17, 2021, the 2020 Baltimore Lease was cancelled without penalty.

The Company leases a facility in Baltimore, Maryland ("2021 Wolfe St") under an operating lease ("2021 Baltimore Lease") with annual rentals of \$2,800 to \$56,016 plus certain operating expenses. The 2021 Baltimore Lease took effect on November 17, 2021 for a term of 12 months with automatic renewals unless a sixty day notice is provided. The initial term expires on November 30, 2022.

The Company leases a facility in Tampa, Florida ("Platt St") under an operating lease ("Platt Street Lease") with annual rentals of \$2,030 to \$23,259 plus certain operating expenses. The Platt Street Lease took effect on April 1, 2022 for a term of 36 months. The initial term expires on March 31, 2025.

On January 1, 2019 ("Effective Date"), the Company adopted FASB ASC, Topic 842, Leases ("ASC 842"), which increases transparency and comparability by recognizing a lessee's rights and obligations resulting from leases by recording them on the balance sheet as lease assets and lease liabilities. The new guidance requires the recognition of the right-of-use ("ROU") assets and related operating and finance lease liabilities on the balance sheet. The Company adopted the new guidance using the modified retrospective approach on January 1, 2019.

The Company elected the package of practical expedients permitted within the standard, which allows an entity to forgo reassessing (i) whether a contract contains a lease, (ii) classification of leases, and (iii) whether capitalized costs associated with a lease meet the definition of initial direct costs. Also, the Company elected the expedient allowing an entity to use hindsight to determine the lease term and impairment of ROU assets and the expedient to allow the Company to not have to separate lease and non-lease components. The Company has also elected the short-term lease accounting policy under which the Company would not recognize a lease liability or ROU asset for any lease

For contracts entered into on or after the Effective Date, at the inception of a contract, the Company will assess whether the contract is, or contains, a lease. The Company's assessment is based on: (i) whether the contract involves the use of a distinct identified asset, (ii) whether the Company obtained the right to substantially all the economic benefit from the use of the asset throughout the period, and (iii) whether the Company has the right to direct the use of the asset. Leases entered into prior to January 1, 2020, which were accounted for under ASC 840, were not reassessed for classification.

For operating leases, the lease liability is initially and subsequently measured at the present value of the unpaid lease payments. The Company generally uses its incremental borrowing rate as the discount rate for leases, unless an interest rate is implicitly stated in the lease. The present value of the lease payments is calculated using the incremental borrowing rate for operating leases, which was determined using a portfolio approach based on the rate of interest that the Company would have to pay to borrow an amount equal to the lease payments on a collateralized basis over a similar term. The lease term for all of the Company's leases includes the non-cancellable period of the lease plus any additional periods covered by either a Company option to extend the lease that the Company is reasonably certain to exercise, or an option to extend the lease controlled by the lessor. All ROU assets are reviewed for impairment.

Lease expense for operating leases consists of the lease payments plus any initial direct costs and is recognized on a straight-line basis over the lease term.

The Company's operating leases are comprised of the Supera Aviation Lease, the Hyde Park Lease, the 2020 Baltimore Lease and the 2021 Baltimore Lease and the Platt Street Lease on the Condensed Consolidated Balance Sheet. The information related to these leases are presented below:

		A	s of J	June 30, 202	2		As of			of December 31, 2021		
	Pla	tt Street	B	2021 altimore				Hyde Park	В	2021 altimore		
Balance Sheet Location		Lease		Lease		Total		Lease		Lease		Total
Operating Lease												
Lease Right of Use	\$	54,135	\$	116,091	\$	170,226	\$	12,156	\$	136,853	\$	149,009
Lease Payable, current		17,537		43,982		61,519		12,164		41,076		53,240
Lease Payable - net of current		36,750		73,042		109,792		-		95,911		95,911

The following provides details of the Company's lease expense:

				Three Months Ended June 30, 2022					Three Months Ended June 30, 2021						
Lease Exp	Lease Expenses			att eet ase	2021 Baltimo Lease		Total		Supera Aviation Lease		Hyde Park Lease		2020 altimore Lease		Total
Operating Leases															
Lease Costs			\$	5,660	\$ 13,60	)0	\$ 19,260		\$	-	\$ 6,257	\$	6,182	9	\$ 12,439
		Six Months Ended June 30, 2022						Six Months Ended June 30, 2021							
Lease Expenses	Hyde Parl Lease		tt Street Lease	Ba	2021 Iltimore Lease		Total		Supera Aviation Lease		de Park Lease	Balt	020 imore ease		Total
Operating Leases		_				_				-					
Lease Costs	\$ 4,17	1\$	5,660	\$	26,400	\$	36,231	\$	150,000	\$	12,513	\$	12,364	\$	174,877
					14										

Other information related to leases is presented below:

				22			
	Hyde			Platt	202	1 Baltimore	
Other Information	Park Lea	ise	_	Street Lease		Lease	Total
Operating Leases							
Operating cash used	\$	4,622	\$	-	\$	26,466	\$ 31,088
Average remaining lease term		-		33		29	31
Average discount rate		10.0%		10.0%		10.0%	10.0%

As of June 30, 2022, the annual minimum lease payments of the Company's operating lease liabilities were as follows:

			As	of June 30, 2022	
		Platt	20	021 Baltimore	
	S	treet Lease		Lease	 Total
For Years Ending December 31,					
2022 (six months)	\$	11,015	\$	26,532	\$ 37,547
2023		22,485		54,520	77,005
2024		23,103		51,348	
2025		5,814		-	 5,814
Total future minimum lease payments, undiscounted	\$	62,417	\$	132,400	\$ 120,366
Less: Imputed interest		152		934	 1,086
Present value of future minimum lease payments	\$	62,265	\$	131,466	\$ 193,731

#### (p) Revenue Recognition

The Company will recognize revenue under ASC 606, Revenue from Contracts with Customers. The core principle of the revenue standard is that a company should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the company expects to be entitled in exchange for those goods or services. The Company only applies the five-step model to contracts when it is probable that the Company will collect the consideration it is entitled to in

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exchange for the goods and services transferred to the customer. The following five steps are applied to achieve that core principle:

- ) Identify the contract with the customer
- 2) Identify the performance obligations in the contract
- 3) Determine the transaction price
- 4) Allocate the transaction price to the performance obligations in the contract
- 5) Recognize revenue when the company satisfies a performance obligation

## (q) Income Taxes

The Company utilizes an asset and liability approach for financial accounting and reporting for income taxes. The provision for income taxes is based upon income or loss after adjustment for those permanent items that are not considered in the determination of taxable income. Deferred income taxes represent the tax effects of differences between the financial reporting and tax basis of the Company's assets and liabilities at the enacted tax rates in effect for the years in which the differences are expected to reverse.

The Company evaluates the recoverability of deferred tax assets and establishes a valuation allowance when it is more likely than not that some portion or all the deferred tax assets will not be realized. Management makes judgments as to the interpretation of the tax laws that might be challenged upon an audit and cause changes to previous estimates of tax liability. In management's opinion, adequate provisions for income taxes have been made. If actual taxable income by tax jurisdiction varies from estimates, additional allowances or reversals of reserves may be necessary.

Tax benefits are recognized only for tax positions that are more likely than not to be sustained upon examination by tax authorities. The amount recognized is measured as the largest amount of benefit that is greater than 50 percent likely to be realized upon settlement. A liability for "unrecognized tax benefits" is recorded for any tax benefits claimed in the Company's tax returns that do not meet these recognition and measurement standards. As of June 30, 2022, and December 31, 2021, no liability for unrecognized tax benefits was required to be reported.

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There is no income tax benefit for the losses for the three and six months ended June 30, 2022 and 2021 since management has determined that the realization of the net deferred assets is not assured and has created a valuation allowance for the entire amount of such tax benefits.

The Company's policy for recording interest and penalties associated with tax audits is to record such items as a component of general and administrative expense. There were no amounts accrued for penalties and interest for the three and six months ended June 30, 2022 and 2021. The Company does not expect its uncertain tax position to change during the next twelve months. Management is currently unaware of any issues under review that could result in significant payments, accruals or material deviations from its position.

#### (r) Basic and Diluted Earnings per Share of Common Stock

Basic earnings per common share is based on the weighted average number of shares outstanding during the periods presented. Diluted earnings per share is computed using the weighted average number of common shares plus dilutive common share equivalents outstanding during the period. Potential common shares that would have the effect of increasing diluted earnings per share are considered anti-dilutive.

Diluted net loss per share is computed using the weighted average number of shares of common and dilutive potential common stock outstanding during the period.

As the Company reported a net loss for the three and six months ended June 30, 2022 and 2021, common stock equivalents were anti-dilutive.

The following securities are excluded from the calculation of weighted average dilutive common shares because their inclusion would have been anti-dilutive:

	For the Three Mon June 30,		For the Six Mont June 30	
	2022	2021	2022	2021
Stock Options	4,476,737	4,188,315	4,476,737	4,188,315
Warrants to purchase common stock	5,072,432	5,363,547	5,072,432	5,363,547
Pre-funded Warrants to purchase common stock	135,135	520,270	135,135	520,270
Unvested Restricted Stock Units	2,795,000	-	2,795,000	-
Series D Preferred Convertible Stock	36,496	36,496	36,496	36,496
Warrants to purchase Series C Preferred stock	27,500	27,500	27,500	27,500
Total potentially dilutive shares	12,543,300	10,136,128	12,543,300	10,136,128

## (s) Stock-based Payments

The Company accounts for stock-based compensation under the provisions of Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 718, "Compensation - Stock Compensation", which requires the measurement and recognition of compensation expense for all stock-based awards made to employees and directors based on estimated fair values on the grant date. The Company estimates the fair value of stock-based awards on the date of grant using the Black-Scholes model. The value of the portion of the award that is ultimately expected to vest is recognized as expense over the requisite service periods using the straight-line method. In June 2018, the FASB issued ASU No. 2018-07, Compensation – Stock Compensation (Topic 718), Improvements to Nonemployee Share-Based Payment Accounting (the "2018 Update"). The amendments in the 2018 Update expand the scope of Topic 718 to include share-based payment transactions for acquiring goods and services from nonemployees. Prior to the 2018 Update, Topic 718 applied only to share-based transactions to employees. Consistent with the accounting requirement for employee share-based payment awards, nonemployee share-based payment awards within the scope of Topic 718 are measured at grant-date fair value of the equity instruments that an entity is obligated to issue when the good has been delivered or the service has been rendered and any other conditions necessary to earn the right to benefit from the instruments have been satisfied.

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The Company has elected to account for forfeiture of stock-based awards as they occur.

#### (t) Reclassifications

Certain prior year amounts have been reclassified to conform to the current year's presentation.

(u) Recently Issued Accounting Pronouncements

**Recently Issued Accounting Pronouncements Adopted** 

In May 2021, the FASB issued ASU 2021-04, *Earnings Per Share (Topic 260), Debt - Modifications and Extinguishments (Subtopic 470-50), Compensation - Stock Compensation (Topic 718), and Derivatives and Hedging - Contracts in Entity's Own Equity (Subtopic 815-40), Issuer's Accounting for Certain Modifications or Exchanges or Freestanding Equity - Classified Written Call Options.* The amendments in this Update clarify an issuer's accounting for modifications or exchanges of freestanding equity - classified written call options (for example, warrants) that remain equity classified after modification or exchange. The amendments are effective for all entities for fiscal years beginning after December 15, 2021, including interim periods within those fiscal years. An entity should apply the amendments prospectively to modifications or exchanges or exchanges or on after the effective date of the amendments. Early adoption is permitted for all entities, including adoption in an interim period. If an entity elects to early adopt the amendments in this Update in an interim period, the guidance should be applied as of the beginning of the fiscal year that includes the interim period. The adoption of this ASU had no material impact on the Company's condensed consolidated financial statements and related disclosure.

#### **Recently Issued Accounting Pronouncements Not Adopted**

In June 2016, the FASB issued ASU No. 2016-13, Financial Instruments - Credit Losses (Topic 326), Measurement of Credit Losses on Financial Instruments ("ASU-2016-13"). ASU 2016-13 affects loans, debt securities, trade receivables, and any other financial assets that have the contractual right to receive cash. The ASU requires an entity to recognize expected credit losses rather than incurred losses for financial assets. ASU 2016-13 is effective for the fiscal year beginning after December 15, 2022, including interim periods within that fiscal year. The Company expects that there would be no material impact on the Company's condensed consolidated financial statements upon the adoption of this ASU.

## Note 3 - Recent Developments, Liquidity and Management's Plans

#### Acquisition and Disposition of Cystron

The Company acquired 100% of the membership interests of Cystron pursuant to a Membership Interest Purchase Agreement, dated March 23, 2020 (as amended by Amendment No. 1 on May 14, 2020, the "MIPA") from certain selling parties (the "Cystron Sellers"). The acquisition of Cystron was accounted for as a purchase of an asset. Cystron is a party to a License and Development Agreement (as amended and restated on March 19, 2020, in connection with our entry into the MIPA, the "License Agreement") with Premas Biotech PVT Ltd. ("Premas") whereby Premas granted Cystron, amongst other things, an exclusive license with respect to Premas' vaccine platform for the development of a vaccine against COVID-19 and other coronavirus infections. Cystron was incorporated on March 10, 2020. Since its formation and through the date of its acquisition by the Company, Cystron did not have any employees and its sole asset consisted of the exclusive license from Premas.

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On March 18, 2021, the Company and the Cystron Sellers, which are also shareholders of Oravax, entered into a Termination and Release Agreement terminating the MIPA effective upon consummation of the Contribution Agreement. In addition, the Cystron Sellers agreed to waive any change of control payment triggered under the MIPA as a result of the Merger.

On April 16, 2021, pursuant to the Contribution and Assignment Agreement, dated March 18, 2021 (the "Contribution Agreement") by and among the Company, Cystron, Oravax and, for the limited purpose set forth therein, Premas, the parties consummated the transactions contemplated therein. Pursuant to the Contribution Agreement, among other things, the Company caused Cystron to contribute substantially all of the assets associated with its business of developing and manufacturing Cystron's COVID-19 vaccine candidate to Oravax (the "Contribution Transaction").

As of December 31, 2021, all amounts due to Premas under the Contribution Agreement have been paid. (*Note: Pursuant to the Contribution Agreement, a total of \$1,500,000 was owed to Premas, of which \$1,200,000 was paid by pre-merger Akers Biosciences, Inc.*)

## Agreement and Plan of Merger and Reorganization

On November 11, 2020, MyMD, Merger Sub, and MyMD Florida entered into the Merger Agreement (Note 1).

Upon completion of the Merger and the transactions contemplated in the Merger Agreement, the Company issued28,553,307 post reverse stock split shares of Company Common Stock to the former stakeholders of pre-Merger MyMD Florida at the Exchange Ratio. Upon completion of the Merger and the transactions contemplated in the Merger Agreement, the former stakeholders of pre-Merger MyMD Florida held approximately 77.05% of the Company's Common Stock outstanding on a fully diluted basis, assuming the exercise in full of the pre-funded warrants to purchase 986,486 shares of Company Common Stock and including 4,188,315 shares of Company Common Stock underlying options to purchase shares of pre-Merger MyMD Florida Common Stock assumed by the company at closing and after adjustments based on the Company's net cash at closing. Holders of pre-Merger Common stock of the Company assumed 4,188,315 MyMD Florida stock options subject to certain terms contained in the Merger Agreement (including, but not limited to, the amendment of such stock option to extend the term of such stock option for a period expiring on April 16, 2023, the second-year anniversary of the Merger.

In accordance with ASC 805, the Company accounted for the transaction as a reverse merger with Akers Biosciences, Inc. ("Akers") as the legal acquirer and pre-Merger MyMD Florida as the accounting acquirer. As a result of the transaction, the Company recognized Goodwill totalling \$10,498,539 based upon Akers' pre-merger market capitalization of \$42,477,346 less net tangible assets of \$31,978,807.

Akers' valuation was based upon 8,335,627 common shares outstanding and 263,026 vested restricted stock units ("RSU') with a fair market value of \$4.94 per share, the closing price of Akers common shares on the NASDAQ Stock Exchange on April 16, 2021.

	· · · · · · · · · · · · · · · · · · ·	Valuation Analysis
Total Consideration	\$	42,477,346
Cash and Cash Equivalents	÷	1,380,852
Marketable Securities		29,480,524
Other Receivables		3,026,137
Prepaid Expenses		192,314
Investment in Oravax, Inc.		1,500,000
Trade and Other Payables		(3,601,020)
Net Tangible Assets Acquired	\$	31,978,807
Excess of Purchase Price Over Net Assets Acquired to be Allocated to Goodwill	\$	10,498,539

The holders of approximately 49.68% of outstanding shares of Company Common Stock are subject to lockup agreements pursuant to which such stockholders have agreed, except in limited circumstances, not to transfer, grant an option with respect to, sell, exchange, pledge or otherwise dispose of, or encumber, any shares of Company capital

stock for 180 days following the effective time of the Merger. For the subsequent 180 days after the initial 180-day lock-up period, any disposal of Company Common Stock must be only in accordance with the volume limitations set forth in paragraph (2) of Rule 144 promulgated under the Securities Act of 1933, as amended (the "Act").

Pursuant to the terms and conditions of the Merger Agreement, not later than 30 days after the Option Exercise Period, the Company will pay stockholders of MyMD Florida the Additional Consideration from the exercise of any MyMD Florida options assumed by the Company prior to the second-year anniversary of the Merger; provided, however, the amount of such payment will not exceed the maximum amount of cash consideration that may be received by stockholders of MyMD Florida without affecting the intended tax consequences of the Merger. As of the date of this report, there have been no exercises of the MyMD Florida options assumed by the Company.

Under the terms of the Merger Agreement, the Company has agreed to pay contingent consideration in combined company common stock to MYMD Florida stockholders if the combined company meets certain market capitalization milestones, referred to as Milestone Events, during the period commencing on the business day following the closing date of the merger and ending on the 36 month anniversary of such date, referred to as the Milestone Period. The Milestone Events and corresponding Milestone Payments are set forth in the table below.

Milestone Event	Milestone Payment
Market capitalization of the combined company for at least ten (10) trading days during any 20 consecutive trading day period during the Milestone Period is equal to or greater than \$500,000,000 (the "First Milestone Event").	\$20,000,000
For every \$250,000,000 incremental increase in market capitalization of the combined company after the First Milestone Event to the extent such incremental increase occurs for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period, up to a \$1,000,000,000 market capitalization of the combined company.	\$10,000,000 per each incremental increase (it being understood, however, that, if such incremental increase results in market capitalization equal to \$1,000,000,000, such \$10,000,000 payment in respect of such incremental increase shall be payable without duplication of any amount payable in respect of a Second Milestone Event, as defined below).
Market capitalization of the combined company for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period is equal to or greater than \$1,000,000,000 (the "Second Milestone Event")	\$25,000,000
F o r every \$1,000,000,000 incremental increase in market capitalization of the combined company after the Second Milestone Event to the extent such incremental increase occurs for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period.	\$25,000,000 per each incremental increase
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For purposes of the table above, "market capitalization" means, with respect to any trading day, the product of (i) the total outstanding shares of the combined company common stock and (ii) the volume weighted average trading price for the combined company common stock for such trading day.

## Liquidity

As of June 30, 2022, the Company's cash on hand was \$1,115,174 and marketable securities were \$4,505,825. The Company has incurred a net loss from operations of \$7,758,077 for the six months ended June 30, 2022. As of June 30, 2022, the Company had working capital of \$4,089,352 and stockholders' equity of \$16,118,343 including an accumulated deficit of \$86,319,645. During the six months ended June 30, 2022, cash flows used in operating activities were \$,934,245, consisting primarily of a net loss of \$7,758,077 offset by an increase in trade and other payables of \$1,854,909. Since its inception, the Company has met its liquidity requirements principally through the sale of its common stock in public and private placements.

The Company evaluated the current cash requirements for operations in conjunction with management's strategic plan and believes that the Company's current financial resources as of the date of the issuance of these condensed consolidated financial statements, inclusive of the funding obtained through the definitive agreement executed on August 15, 2022 (Note 13), are sufficient to fund its current operating budget and contractual obligations as of June 30, 2022 as they fall due within the next twelve-month period, alleviating any substantial doubt raised by the Company's historical operating results and satisfying its estimated liquidity needs for twelve months from the issuance of these condensed consolidated financial statements.

## Note 4 - Trade and Other Payables

Trade and other payables consist of the following:

		June 30, 2022	De	cember 31, 2021
Accounts Payable – Trade	\$	2,618,109	\$	867,518
Accrued Expenses		223,426		119,108
	\$	2,841,535	\$	986,626
	20			

## Note 5 – Notes Payable

#### Secured Promissory Note

On November 11, 2020, concurrently with the execution of the Merger Agreement, the Company agreed to provide a bridge loan up to an aggregate principal amount of \$3,000,000 to pre-Merger MyMD Florida pursuant to the Bridge Loan Note. Advances under the Bridge Loan Note ("Bridge Loan Advances") were made in the amounts and at the times as needed to fund MyMD Florida's operating expenses. Bridge Loan Advances accrue interest at 5% per annum, which may be increased to 8% per annum upon occurrence of any event of default, from the date of such default. The principal and the accrued interest thereon are to be repaid on the earliest of (a) April 15, 2022; (b); if the Merger was consummated, then upon demand of the Company following the consummation of the Merger; or (c) the date on which the obligations under the Bridge Loan Note are secured by a first priority security interest in all of MyMD Florida's right, title and interest in and to its assets as collateral. The outstanding principal amount and the accrued interest of the Bridge Loan Note are secured by a first priority security interest in shares of MyMD Florida Common Stock in accordance with the terms of the Merger Agreement.

As of June 30, 2022 and December 31, 2021 MyMD had advanced MyMD Florida \$,000,000 under the Bridge Loan Note plus accrued interest totalling \$26,137. The balance of \$3,026,137 as of June 30, 2022 and December 31, 2021, respectively, were eliminated on consolidation.

## Note 6 – Stock-based Payments

Equity incentive Plans

## 2013 Stock Incentive Plan

On January 23, 2014, the Company adopted the 2013 Stock Incentive Plan ("2013 Plan"). The 2013 Plan was amended by the Board on January 9, 2015 and September 30, 2016, and such amendments were ratified by shareholders on December 7, 2018. The 2013 Plan provides for the issuance of up to 2,162 shares of the Company's common stock. As of June 30, 2022, grants of restricted stock and options to purchase 1,406 shares of Common Stock have been issued pursuant to the 2013 Plan, and756 shares of Common Stock remain available for issuance.

## 2016 Stock Incentive Plan

On December 21, 2016, the shareholders approved, and the Company adopted the 2016 Stock Incentive Plan ("2016 Plan"). The 2016 Plan provides for the issuance of up to 50,000,000 shares of the Company's common stock. As of June 30, 2022, grants of options to purchase4,188,315 shares of Common Stock have been issued pursuant to the 2016 Plan, and 0 shares of Common Stock remain available for issuance.

#### 2017 Stock Incentive Plan

On August 7, 2017, the shareholders approved, and the Company adopted the 2017 Stock Incentive Plan ("2017 Plan"). The 2017 Plan provides for the issuance of up to3,516 shares of the Company's common stock. As of June 30, 2022, grants of restricted stock and options to purchase 2,538 shares of Common Stock have been issued pursuant to the 2017 Plan, and 978 shares of Common Stock remain available for issuance.

## 2018 Stock Incentive Plan

On December 7, 2018, the shareholders approved, and the Company adopted the 2018 Stock Incentive Plan ("2018 Plan"). On August 27, 2020, the 2019 Plan was modified to increase the total authorized shares. The 2018 Plan, as amended, provides for the issuance of up to 560,063 shares of the Company's common stock. As of June 30, 2022, grants of RSUs and restricted stock to purchase 263,026 shares of Common Stock have been issued pursuant to the 2018 Plan, and297,037 shares of Common Stock remain available for issuance.

	1	2	
21	1		

#### 2021 Stock Incentive Plan

On April 15, 2021, the shareholders approved, and the Company adopted the 2021 Stock Incentive Plan ("2021 Plan"). The 2021 Plan provides for the issuance of up to 7,228,184 shares of the Company's common stock. As of June 30, 2022, grants of RSUs and stock options to purchase3,099,040 shares of Common Stock have been issued pursuant to the 2021 Plan, and 4,129,144 shares of Common Stock remain available for issuance.

## Stock Options

The following table summarizes the activities for MyMD stock options for the six months ended June 30, 2022:

	Number of Shares	Weighted Average Exercise Price	Weighted Average Grant Date Fair Value	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value
Balance at December 31, 2021	4,176,737	\$ 2.59	\$ 2.59	1.29	\$ 14,493,284
Granted	300,000	3,41	3.41	6.05	-
Exercised					-
Forfeited	-	-	-		-
Canceled/Expired	-	-	-	-	-
Balance at June 30, 2022	4,476,737	 2.64	 2.64	1.15	-
Exercisable as of June 30, 2022	4,276,737	 2.56	 2.58	0.89	-

The aggregate intrinsic value is calculated as the difference between the exercise price of the underlying awards and the closing stock price of \$2.17 for the Company's common shares on June 30, 2022 and the closing stock price of \$6.06 for the Company's common shares on December 31, 2021.

On January 28, 2022, the Company's Compensation Committee approved the issuance of 200,000 stock options under the 2021 Stock Incentive Plan. These shares had a grant date fair value of \$3.59 per share or a cumulative fair market value of \$717,660 as calculated using Black-Scholes (exercise price \$3.96 per share, stock price \$3.96 per share, volatility of 124.43%, discount rate of 1.74% and seven year term). The grant was segmented into four vesting tranches triggered by performance achievements and expire on January 28, 2029. The Company is amortizing the expenses over the vesting cycles of the individual tranches.

On June 21, 2022, the Company granted 100,000 stock options under the 2021 Stock Incentive Plan to a third-party consultant in consideration of services rendered. These shares had a grant date fair value of \$2.30 per share or a cumulative fair market value of \$199,360 as calculated using Black-Scholes (exercise price \$2.30 per share, stock price \$2.30 per share, volatility of 130.51%, discount rate of 3.24% and five year term). The grant vested immediately and expire onJune 21, 2027. The Company is amortizing the expense over twelve months, the term of the consulting agreement.

During the three months ended June 30, 2022 and 2021, the Company incurred stock option expenses totalling \$32,246 and \$15,036,051, respectively. During the six months ended June 30, 2022 and 2021, the Company incurred stock option expenses totalling \$213,248 and \$15,036,051, respectively. The unamortized stock option expenses as of June 30, 2022 and 2021 totalled \$703,772 and \$0, respectively.

4,276,737 shares of the Company's outstanding stock options are fully vested and exercisable.

Assumption of MyMD Florida Stock Options

In 2016, pre-Merger MyMD Florida adopted the MyMD Pharmaceuticals, Inc. Amended and Restated 2016 Equity Incentive Plan (the "2016 Plan"). The 2016 Plan provided

for the issuance of up to 50,000,000 shares of pre-Merger MyMD Florida common stock. As of June 30, 2022, options to purchase4,188,315 shares of common stock have been issued pursuant to the plan and 0 shares of common stock remain available for issuance.

Pursuant to the Merger Agreement, effective as of the effective time of the Merger, the Company assumed pre-Merger MyMD Florida's Second Amendment to Amended and Restated 2016 Stock Incentive Plan (the "2016 Plan"), assuming all of pre-Merger MyMD Florida's rights and obligations with respect to the options issued thereunder. As of the effective date of the Merger, no additional awards could be issued under the 2016 Plan.

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In addition, under the terms of the Merger Agreement, the Company assumed all of pre-Merger MyMD Florida's rights and obligations under pre-Merger MyMD Florida's stock options that were outstanding immediately prior to the effective time of the Merger, and each such stock option, whether or not vested, was converted into a stock option representing the right to purchase shares of Company Common Stock, on terms substantially the same as those in effect immediately prior to the effective time, except that the number of shares of Company Common Stock issuable and the exercise price per share of such stock options was adjusted by the Exchange Ratio. Additionally, the number of shares and exercise price per share of Company Common Stock under the assumed pre-Merger MyMD Florida stock options was further adjusted by the Reverse Stock Split.

The Company assumed 4,188,315 MyMD Florida stock options subject to certain terms contained in the Merger Agreement (including, but not limited to, the amendment of such stock option to change the term of such stock option for a period expiring on April 16, 2023, the second-year anniversary of the Merger). The Company recorded expenses of \$15,036,051 for the assumption of the options and the modification of the terms which is included on the Condensed Consolidated Statement of Comprehensive Loss for the year ended December 31, 2021. The Company utilized Black-Scholes using an exercise price of \$2.59, an issue date fair value of \$4.94, a volatility index of 122.31% and a discount rate of 0.16% to determine the fair value of the modification. The pre-Merger MyMD options were valued at \$0 on April 16, 2021, as there was no reliable method of determining the fair value given the material events that had occurred since the last arms-length trade of common shares.

#### Restricted Stock Units

On September 11, 2020, the Compensation Committee of the Board of Directors approved grants totalling394,680 Restricted Stock Units to the Company's four directors. Each RSU had a grant date fair value of \$4.48 which shall be amortized on a straight-line basis over the vesting period into administrative expenses within the Consolidated Statement of Comprehensive Loss. Such RSUs were granted under the 2018 Plan, as amended. Fifty percent (50%) of each RSU will vest on the first anniversary date of the Grant and the remaining fifty percent (50%) will vest on the second anniversary date; provided that the RSUs shall vest immediately upon the occurrence of (i) a change in control, provided that the director is employed by or providing services to the Company and its affiliates on the closing date of such change of control, or (ii) the director's termination of employment of service by the Company was without cause.

On April 16, 2021, concurrently with the closing of the Merger, pursuant to the terms of the RSU Agreements between the Company and four board of directors, the 394,680 RSUs granted on September 11, 2020 under the 2018 Plan, as amended, accelerated and vested in full.

Per the terms of the RSU agreements, the Company, at the Company's sole discretion, may settle the RSUs in cash, or part cash and part common stock. As there is no intention to settle the RSUs in cash, the Company accounted for these RSUs as equity.

Pre-merger Akers Biosciences, Inc. recorded expenses totalling \$979,758 for the acceleration of the vesting of 394,680 RSUs, the holders immediately surrendered 139,457 RSUs with a fair market value of \$688,913 for the withholding of federal and state income taxes, as directed by the holders, which was recorded as Payroll Taxes Payable on the date of the Merger. The withholding obligations were paid by the Company on June 30, 2021. As of August 12, 2022, the vested RSUs have not been converted to common shares of the Company.

On October 14, 2021, the Compensation Committee of the Board of Directors approved grants totalling2,795,000 Restricted Stock Units to the Company's six directors and seven key employees. Each RSU had a grant date fair value of \$8.09 which will be amortized upon vesting into administrative expenses within the Condensed Consolidated Statement of Comprehensive Loss. Such RSUs were granted under the 2021 Plan. Vesting of each RSU is:

- One-third (33%) of each RSU will vest when the Company's market capitalization is equal to or greater than \$500,000,000 for at least ten trading days during any twenty (20) consecutive trading day period ending on or after December 15, 2021 and the fair market value of the common stock equals or exceeds \$5.00 during such trading day period.
- One-third (33%) of each RSU will vest when the Company's market capitalization is equal to or greater than \$750,000,000 for at least ten trading days during any twenty (20) consecutive trading day period ending on or after December 15, 2021 and the fair market value of the common stock equals or exceeds \$5.00 during such trading day period.
- The remaining awarded units will vest when the Company's market capitalization is equal to or greater than \$1,000,000,000 for at least ten trading days during any twenty (20) consecutive trading day period ending on or after December 15, 2021 and the fair market value of the common stock equals or exceeds \$5.00 during such trading day period.
- In the event that (i) a change in control occurs or (ii) the participant incurs a termination of service by the Company without cause or due to the participant's death or total and permanent disability, then all unvested units shall become vested units immediately upon the occurrence of such event.

On January 28, 2022, the Compensation Committee of the Board of Directors approved a grant of4,040 RSUs to a sub-contractor with a grant date fair value of \$3.96 and vested immediately. Such RSUs were granted under the 2021 Plan. The Company recorded expenses of \$15,998 which is included Stock Based Compensation on the Condensed Consolidated Statement of Comprehensive Loss.

The following is the status of outstanding restricted stock units outstanding as of June 30, 2022 and changes for the six months ended June 30, 2022:

		Weighted
		Average
	Number of	Grant Date
	RSUs	 Fair Value
Balance at December 31, 2021	2,795,000	\$ 8.09
Granted	4,040	3.96
Exercised	-	-
Forfeited	-	-
Canceled/Expired	-	-
Balance at June 30, 2022	\$ 2,799,040	\$ 8.08
Exercisable as of June 30, 2022	\$ 4,040	\$ 3.96

As of June 30, 2022 and December 31, 2021, the unamortized value of the RSUs was \$2,611,550.

## **Preferred Stock**

The holders of preferred shares or preferred warrants are entitled to vote per share, as limited by the Certificate of Designation for each class of preferred shares or warrants, at meetings of the Company. As of June 30, 2022, 50,000,000 shares of Preferred Stock were authorized and four classes of Preferred Stock or Warrants are designated.

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## Series D Convertible Preferred Stock

On March 24, 2020, the Company designated 211,353 Series D Convertible Preferred Shares, no par value with a stated value of \$0.01 per share and filed the Certificate of Designation of Preferences, Rights and Limitations of Series D Convertible Preferred Stock (the "Certificate of Designation") with the Secretary of State of the State of New Jersey. Pursuant to the Certificate of Designation, in the event of the Company's liquidation or winding up of its affairs, the holders of its Series D Convertible Preferred Stock (the "Preferred Stock") will be entitled to receive the same amount that a holder of the Company's common stock would receive if the Preferred Stock were fully converted (disregarding for such purposes any conversion limitations set forth in the Certificate of Designation) to common stock which amounts shall be paid pari passu with all holders of the Company's common stock. Each share of Preferred Stock has a stated value equal to \$0.01 (the "Stated Value"), subject to increase as set forth in Section 7 of the Certificate of Designation.

A holder of Preferred Stock is entitled at any time to convert any whole or partial number of shares of Preferred Stock into shares of the Company's common stock determined by dividing the Stated Value of the Preferred Stock being converted by the conversion price of \$0.01 per share.

A holder of Preferred Stock will be prohibited from converting Preferred Stock into shares of the Company's common stock if, as a result of such conversion, the holder, together with its affiliates, would own more than 4.99% of the total number of shares of the Company's common stock then issued and outstanding (with such ownership restriction referred to as the "Beneficial Ownership Limitation"). However, any holder may increase or decrease such percentage to any other percentage not in excess of 9.99%, provided that any increase in such percentage shall not be effective until 61 days after such notice to the Company.

Subject to the Beneficial Ownership Limitation, on any matter presented to the Company's stockholders for their action or consideration at any meeting of the Company's stockholders (or by written consent of stockholders in lieu of a meeting), each holder of Preferred Stock will be entitled to cast the number of votes equal to the number of whole shares of the Company's common stock into which the shares of Preferred Stock beneficially owned by such holder are convertible as of the record date for determining stockholders entitled to vote on or consent to such matter (taking into account all Preferred Stock beneficially owned by such holder). Except as otherwise required by law or by the other provisions of the Company's common stock and any other class or series of stock entitled to vote thereon as a single class.

A holder of Preferred Stock shall be entitled to receive dividends as and when paid to the holders of the Company's common stock on an as-converted basis.

As of June 30, 2022, the Company had 72,992 shares of Series D Convertible Preferred Stock outstanding which represent 36,496 underlying shares of the Company Common Stock.

## **Common Stock**

Pursuant to the Merger Agreement, on April 16, 2021, the Company filed an amended and restated certificate of incorporation (the "A&R Charter") with the Secretary of State of the State of New Jersey, which was approved by the Company's stockholders on April 15, 2021. Among other things, the A&R Charter (i) changed the Company's name to MyMD Pharmaceuticals, Inc., (ii) increased the number of shares of Company Common Stock available from 100,000,000 shares to a total of 500,000,000 shares of the Company's Common Stock, (iii) changed the structure of the board of directors from a classified board of three classes to a non-classified board of a single class, and (iv) simplified and consolidated various provisions.

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The holders of common shares are entitled to one vote per share at meetings of the Company.

On February 11, 2021, 466,216 shares of common stock issued pursuant to that certain Securities Purchase Agreement, dated November 11, 2020, by and between the Company and certain institutional and accredited investors were cancelled and 466,216 prefunded warrants (as defined therein) were issued at the request of a shareholder.

On May 18, 2021, 466,216 prefunded warrants were exercised in exchange for 466,716 shares of common stock.

On August 5, 2021, the Company issued 16,826 shares of the Company's common stock with a fair market value of \$0,002 for services.

On December 9, 2021, holders of 11,576 common stock options were exercised for 11,576 shares of the Company's common stock at an exercise price of \$.59 per common share. The net proceeds of \$29,982 is recorded as a non-current liability on the Condensed Consolidated Balance Sheet as of June 30, 2022. The accumulated proceeds from the exercise of these stock options will be distributed to the former shareholders of MyMD Florida per the terms of the Merger Agreement.

On February 16, 2022, 385,135 prefunded warrants were exercised in exchange for 385,135 shares of common stock.

# **Common Stock Warrants**

The table below summarizes the warrant activity for the six months ended June 30, 2022:

	Number of Warrants	Weighted Average Exercise Price	Average Remaining Contractual Term (years)	Aggregate Intrinsic Value
Balance at December 31, 2021	5,074,489	\$ 5.25	4.34	\$ 9,554,827
Granted	-	-	-	-
Exercised	-	-	-	-
Forfeited	-	-	-	-
Canceled/Expired	(2,057)	592.49	-	-
Balance at June 30, 2022	5,072,432	\$ 5.01	3.85	\$ -
Exercisable as of June 30, 2022	5,072,432	\$ 5.01	3.85	\$ -

The aggregate intrinsic value is calculated as the difference between the exercise price of the underlying awards and the closing stock price of \$2.17 for the Company's common shares on June 30, 2022 and the closing stock price of \$6.06 for the Company's common shares on December 31, 2021. All warrants were vested on date of grant.

## Pre-funded Common Stock Warrants

The table below summarizes the pre-funded warrant activity for the six months ended June 30, 2022:

	Number of Warrants			Average Remaining Contractual Term (years)	Aggregate Intrinsic Value	
Balance at December 31, 2021	520,270	\$	0.002	-	\$	3,151,796
Granted	-		-	-		-
Exercised	(385,135)		0.002	-		-
Forfeited	-		-	-		-
Canceled/Expired	-		-	-		-
Balance at June 30, 2022	135,135	\$	0.002	-	\$	292,973
Exercisable as of June 30, 2022	135,135	\$	0.002	-	\$	292,973
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All pre-funded warrants were vested on date of grant and are exercisable at any time. The aggregate intrinsic value is calculated as the difference between the exercise price of the underlying award and the closing stock price of \$2.17 for the Company's common shares on June 30, 2022.

### Series C Convertible Preferred Stock Warrants

The table below summarizes the warrant activity for the six months ended June 30, 2022:

	Number of Warrants	Weighted Average Exercise Price	Average Remaining Contractual Term (years)	Aggregate Intrinsic Value
Balance at December 31, 2021	27,500	\$ 8.00	2.94	\$ -
Granted	-	-	-	-
Exercised	-	-	-	-
Forfeited	-	-	-	-
Canceled/Expired	-	-	-	-
Balance at June 30, 2022	27,500	\$ 8.00	2.45	\$ -
Exercisable as of June 30, 2022	27,500	\$ 8.00	2.45	\$ -

The aggregate intrinsic value is calculated as the difference between the exercise price of the underlying awards and the closing stock price of \$2.17 for the Company's common shares on June 30, 2022 and the closing stock price of \$6.06 for the Company's common shares on December 31, 2021. All Series C Convertible Preferred Stock Warrants were vested on date of grant.

#### Note 8 - Commitments and Contingencies

#### Scientific Advisory Board

On February 1, 2021, the Company formed the Scientific Advisory Board to (i) provide strategic advice and make recommendations to management regarding current and planned research and development programs, (ii) advise management regarding the scientific merit of technology or products involved in licensing and acquisition opportunities and (iii) provide strategic advice to management regarding emerging science and technology issues and trends. During the three months ended June 30, 2022 and 2021, the Company incurred costs of \$50,000 and \$42,000, respectively. During the six months ended June 30, 2022 and 2021, the Company incurred costs of \$98,000 and \$71,000, respectively. These expenses are included in Research and Development Expenses on the Condensed Consolidated Statement of Comprehensive Loss.

## COVID-19

In December 2019, a novel strain of coronavirus, COVID-19, was reported to have surfaced in Wuhan, China and has reached multiple other countries, resulting in government-imposed quarantines, travel restrictions and other public health safety measures, including in the United States and India. On March 12, 2020, the WHO declared COVID-19 to be a global pandemic. The various precautionary measures taken by many governmental authorities around the world in order to limit the spread of COVID-19 have had and may continue to have an adverse effect on the global markets and global economy. Such government-imposed precautionary measures may have been relaxed in certain countries or states, but there is no assurance that more strict measures will not be put in place again due to a resurgence in COVID-19 cases.

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The ultimate impact of the global COVID-19 pandemic or a similar health epidemic is highly uncertain and subject to change. We do not yet know the full extent of potential delays or impacts on the Company's business, vaccine development efforts, healthcare systems or the global economy as a whole. However, the effects have had and will likely continue to have a material impact on the Company's operations, liquidity and capital resources, and the Company will continue to monitor the COVID-19 situation closely.

In response to public health directives and orders, the Company has implemented and continues to maintain work-from-home policies for many of the Company's employees and temporarily modified the Company's operations to comply with applicable social distancing recommendations. The effects of the orders and the Company's related adjustments in its business are likely to negatively impact productivity, disrupt its business and delay the Company's timelines, the magnitude of which will depend, in part, on the length and severity of the restrictions and other limitations on its ability to conduct its business in the ordinary course. Similar health directives and orders are affecting third parties with whom we do business. Further, restrictions on the Company's ability to travel, stay-at-home orders and other similar restrictions on its business have limited and may continue to limit its ability to support its operations.

Severe and/or long-term disruptions in the Company's operations will negatively impact the Company's business, operating results and financial condition in other ways as well. Specifically, the Company anticipates that the stress of COVID-19 on healthcare systems generally around the globe will negatively impact regulatory authorities and the third parties that the Company may engage in connection with the development and testing of its product candidates.

The anticipated economic consequences of the COVID-19 pandemic have adversely impacted financial markets, resulting in high share price volatility, reduced market liquidity, and substantial declines in the market prices of the shares of most publicly traded companies, including MyMD. Volatile or declining markets for equities could

adversely affect the Company's ability to raise capital when needed through the sale of shares of common stock or other equity securities. Should these market conditions persist when the Company needs to raise capital, and if the Company is able to sell shares of its common stock under then prevailing market conditions, it might have to accept lower prices for its shares and issue a larger number of shares than might have been the case under better market conditions, resulting in significant dilution of the interests of the Company's shareholders.

## Litigation and Settlements

## Raymond Akers Actions

On April 14, 2021, Raymond F. Akers, Jr., Ph.D. filed a lawsuit against MyMD Pharmaceuticals, Inc. (p/k/a Akers Biosciences, Inc.) in the Superior Court of New Jersey, Law Division, Gloucester County (the "First Raymond Akers Action"). Mr. Akers asserts one common law whistleblower retaliation claim against the Company.

On September 23, 2021, the Court granted MyMD Pharmaceutical, Inc.'s ("MyMD's") Motion to Dismiss Plaintiff's Amended Complaint and dismissed Plaintiff's Amended Complaint. The Court indicated that Mr. Akers is "free to file another complaint, however, tort-based 'Pierce' allegations, and/or CEPA claims are barred by the statute of limitations."

On March 1, 2022, Mr. Akers filed a second action against MyMD in the Superior Court of New Jersey, Law Division, Gloucester County (the "Second Raymond Akers Action") again asserting one common law whistleblower retaliation claim against the Company. The Company believes that the Second Raymond Akers Action is without merit and, moreover, was filed against the Court's specific admonition that Plaintiff does not attempt to circumvent the statute of limitations.

On May 27, 2022, the Court granted-in-part and denied-in-part MyMD's Motion to Dismiss Plaintiff's Complaint. The Court reaffirmed the ruling in the First Raymond Akers Action that any tort-based Pierce claims are time-barred. However, the Court denied the Motion as it pertained to Plaintiff's contract-based Pierce claim and "Repayment of Monies Owed" claim. On July 29, 2022, MyMD filed its Answer, which included affirmative defences.

All legal fees incurred were expensed as and when incurred.

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## Note 9 – Related Parties

## SRQ Patent Holdings and SRQ Patent Holdings II

MyMD is a party to two Amended and Restated Confirmatory Patent Assignment and Royalty Agreements, both dated November 11, 2020, with SRQ Patent Holdings and SRQ Patent Holdings II, under which MyMD (or its successor) will be obligated to pay to SRQ Patent Holdings or SRQ Patent Holdings II (or its designees) certain royalties on product sales or other revenue received on products that incorporate or are covered by the intellectual property that was assigned to MyMD. The royalty is equal to 8% of the net sales price on product sales and, without duplication, 8% of milestone revenue or sublicense compensation. SRQ Patent Holdings and SRQ Patent Holdings II are affiliates of Mr. Jonnie Williams, Sr. No revenue has been received subject to these agreements as of June 30, 2022 and 2021.

## Mr. Jonnie Williams, Sr.

The Company recorded an obligation to Mr. Williams, a shareholder, for various expenses incurred on behalf of the Company between 2016 and 2019. The balance due of \$14,577 was paid on April 28, 2021.

## Supera Aviation I, LLC

In October 2018, the Company entered a three-year leasing agreement with Supera Aviation I, LLC, a company owned by a shareholder, for a Gulfstream IV-SP aircraft with an annual leasing fee of \$600,000. The Company incurred expenses totalling \$150,000 for the six months ended June 30, 2021.

On April 28, 2021, the Company reached a negotiated settlement with Supera Aviation I, LLC to retire the \$27,042 debt due under the leasing agreement for \$517,384.

## Lines of credit payable

In November 2018, Supera entered into a revolving credit facility which allows for borrowings of up to \$1,000,000 with a shareholder. The facility had an initial term of 38 months, which was extended to December 31, 2022 at which time all outstanding borrowings and accrued interest, if any, are due in full. Borrowings accrue interest at a rate of 5% per annum.

In May 2019, the pre-Merger MyMD entered into a revolving credit facility which allows for borrowings of up to \$,000,000 with a shareholder. The facility had an initial term of 18 months, which was extended to July 31, 2021 and further extended to December 31, 2022, at which time all outstanding borrowings and accrued interest, if any, are due in full. Borrowings accrue interest at a rate of 5% per annum. Pursuant to the terms of the agreement, the Company must issue a number of common stock options to the lender based on the total borrowings under the facility, with each dollar borrowed requiring the issuance of one common stock option. Upon issuance, each common stock option will immediately vest at an exercise price of \$2.59. The Company recorded accretion of the debt discount totalling \$0 and \$608,460, respectively, during the three and six months ended June 30, 2021.

On April 28, 2021, in accordance with the Merger, the Company paid \$3,208,426, inclusive of interest and net of the debt discount, to retire the amounts due to the shareholder under the two lines of credit as of April 28, 2021.

#### Note 10 – Employee Benefit Plan

The Company maintains a defined contribution benefit plan under section 401(k) of the Internal Revenue Code covering substantially all qualified employees of the Company (the "401(k) Plan"). Under the 401(k) Plan, the Company matches 100% up to a 3% contribution, and 50% over a 3% contribution, up to a maximum of 5%.

The Company made matching contributions to the 401(k) Plan during the three months ended June 30, 2022 and 2021 of \$1,849 and \$2,888, respectively. The Company made matching contributions to the 401(k) Plan during the six months ended June 30, 2022 and 2021 of \$20,598 and \$2,888, respectively.

#### Note 11—Paycheck Protection Program Loan

On April 16, 2020, the Company received loan proceeds in the amount of approximately \$70,600 under the Paycheck Protection Program ("PPP"). The PPP, established as part of the Coronavirus Aid, Relief and Economic Security Act ("CARES Act"), provides for loans to qualifying businesses for amounts up to 2.5 times of the average monthly payroll expenses of the qualifying business. The loans and accrued interest are forgivable as long as the borrower uses the loan proceeds for eligible purposes, including payroll,

benefits, rent and utilities, and maintains its payroll levels.

The amount of loan forgiveness will be reduced if the borrower terminates employees or reduces salaries during the eight-week period. The unforgiven portion of the PPP loan is payable over two years at an annual interest rate of 1%, with a deferral of payments through the date that the Small Business Administration remits the borrower's loan forgiveness amount to the lender. The Company was notified on June 1, 2021 that the loan totalling \$70,600 was forgiven which was recorded as a gain on debt forgiveness on the Condensed Consolidated Statement of Comprehensive Loss.

## Note 12-Patent assignment and royalty agreement

In November 2016, the Company entered into an agreement with the holders of certain intellectual property relating to the Company's current product candidate. Under the terms of the agreement, the counterparty assigned its rights and interest in certain patents to the Company in exchange for future royalty payments based on a fixed percentage of future revenues, as defined. The agreement is effective until the later of (1) the date of expiration of the assigned patents or (2) the date of expiration of the last strategic partnership or licensing agreement including the assigned patents.

## Note 13 - Subsequent Events

On July 7, 2022, the Company agreed to issue 50,167 shares of restricted common stock with a fair market value of 2.99 per share or 150,000 and 38,265 common stock warrants with an exercise price of 5.48 with a fair market value of 75,000 to a vendor for marketing services.

#### August 2022 Offering

On August 15, 2022, the Company entered into a definitive agreement to sell 1,411,764 shares of Common Stock in a registered direct offering and issue warrants to purchase up to 1,411,764 shares of Common Stock in a private placement for gross proceeds of approximately **\$**.0 million, before deducting placement agent fees and offering expenses payable by the Company. Dawson James Securities, Inc. acted as lead placement agent for the offering and Katalyst Securities served as a financial advisor.

All of the securities being sold in the offering were offered by MyMD. At closing, the Company expects to receive net proceeds from the offering of approximately \$5.4 million, after deducting placement agent fees and offering expenses payable by the Company. The Company intends to use the net proceeds from this offering for working capital and to fund other general corporate purposes.

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## Item 2. Management's Discussion and Analysis of Financial Conditions and Results of Operations.

The information set forth below should be read in conjunction with our condensed consolidated financial statements and related notes thereto included elsewhere in this Quarterly Report on Form 10-Q. This discussion and analysis contains forward-looking statements based on our current expectations, assumptions, estimates and projections. These forward-looking statements involve risks and uncertainties. Our actual results could differ materially from those indicated in these forward-looking statements as a result of certain factors, including those discussed in Part II, Item 1A of this Quarterly Report on Form 10-Q, entitled "Risk Factors." References in this discussion and analysis to "us," "we," "our," or "the Company" refer collectively to MyMD Pharmaceuticals, Inc.

Our financial statements are prepared in accordance with GAAP. These accounting principles require us to make certain estimates, judgments and assumptions. We believe that the estimates, judgments and assumptions upon which we rely are reasonable based upon information available to us at the time that these estimates, judgments and assumptions are made. These estimates, judgments and assumptions can affect the reported amounts of assets and liabilities as of the date of the financial statements as well as the reported amounts of expenses during the periods presented. Our financial statements would be affected to the extent there are material differences between these estimates and actual results. In many cases, the accounting treatment of a particular transaction is specifically dictated by GAAP and does not require management's judgment in its application. There are also areas in which management's judgment in selecting any available alternative would not produce a materially different result. The following discussion should be read in conjunction with our financial statements and notes thereto appearing elsewhere in this Quarterly Report on Form 10-Q.

This Quarterly Report on Form 10-Q and other reports filed by the Company from time to time with the Securities and Exchange Commission (the "SEC" and such reports, collectively, the "Filings") contain or may contain forward-looking statements and information that are based upon beliefs of, and information currently available to, the Company's management as well as estimates and assumptions made by Company's management. Readers are cautioned not to place undue reliance on these forward-looking statements, which are only predictions and speak only as of the date hereof. When used in the Filings, the words "anticipate," "believe," "estimate," "expect," "future," "intend," "plan," or the negative of these terms and similar expressions as they relate to the Company or the Company's management identify forward-looking statements. Such statements reflect the current view of the Company with respect to future events and are subject to risks, uncertainties, assumptions, and other factors, including the risks relating to the Company's business, industry, and the Company's operations and results of operations. Should one or more of these risks or uncertainties materialize, or should the underlying assumptions prove incorrect, actual results may differ significantly from those anticipated, believed, estimated, expected, intended, or planned.

Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance, or achievements. Except as required by applicable law, including the securities laws of the United States, we do not intend to update any of the forward-looking statements to conform these statements to actual results.

Important factors that could cause actual results to differ materially from the results and events anticipated or implied by such forward-looking statements include, but are not limited to:

- fluctuation and volatility in market price of our common stock due to market and industry factors, as well as general economic, political and market conditions;
- the impact of dilution on our shareholders;
- our ability to realize the intended benefits of the Merger (as defined below) and the Contribution Transaction (as defined below);
- the impact of our ability to realize the anticipated tax impact of the Merger;
- the outcome of litigation or other proceedings we may become subject to in the future;
- delisting of our common stock from the Nasdaq;
- our availability and ability to continue to obtain sufficient funding to conduct planned research and development efforts and realize potential profits;
- our ability to develop and commercialize our product candidates, including MYMD-1, Supera-CBD and other future product candidates;
- the impact of the complexity of the regulatory landscape on our ability to seek and obtain regulatory approval for our product candidates, both within and outside of the U.S.;
- the required investment of substantial time, resources and effort for successful clinical development and marketization of our product candidates;
- challenges we may face with maintaining regulatory approval, if achieved;
- the potential impact of changes in the legal and regulatory landscape, both within and outside of the U.S.;
- the impact of the ongoing COVID-19 pandemic on the administration, funding and policies of regulatory authorities, both within and outside of the U.S.;
- our dependence on third parties to conduct pre-clinical and clinical trials and manufacture its product candidates;
- the impact of the ongoing COVID-19 pandemic on our results of operations, business plan and the global economy;
- challenges we may face with respect to our product candidates achieving market acceptance by providers, patients, patient advocacy groups, third party payors and the
  general medical community;
- the impact of pricing, insurance coverage and reimbursement status of our product candidates;

- emerging competition and rapidly advancing technology in our industry;
- our ability to obtain, maintain and protect our trade secrets or other proprietary rights, operate without infringing upon the proprietary rights of others and prevent others from infringing on its proprietary rights;
- our ability to maintain adequate cyber security and information systems;
- our ability to achieve the expected benefits and costs of the transactions related to the acquisition of Supera Pharmaceuticals, Inc. ("Supera");

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- our ability to effectively execute and deliver our plans related to commercialization, marketing and manufacturing capabilities and strategy;
- emerging competition and rapidly advancing technology in our industry;
- our ability to obtain adequate financing in the future on reasonable terms, as and when we need it;
- challenges we may face in identifying, acquiring and operating new business opportunities;
- our ability to retain and attract senior management and other key employees;
- our ability to quickly and effectively respond to new technological developments;
- changes in political, economic or regulatory conditions generally and in the markets in which we operate; and
- our compliance with all laws, rules, and regulations applicable to our business.

#### Overview

Following the closing of the Merger and the Contribution Transaction described below that occurred on April 16, 2021, we have been focused on developing and commercializing two therapeutic platforms based on well-defined therapeutic targets, MYMD-1 and Supera-CBD:

- MYMD-1 is a clinical stage small molecule that regulates the immunometabolic system to treat autoimmune disease, including (but not limited to) multiple sclerosis, diabetes, rheumatoid arthritis, and inflammatory bowel disease. MYMD-1 is being developed to treat age-related illnesses such as frailty and sarcopenia. MYMD-1 works by regulating the release of numerous pro-inflammatory cytokines, such as TNF-α, interleukin 6 ("IL-6") and interleukin 17 ("IL-17"). MYMD-1 currently is being evaluated in patients with sarcopenia (age-related muscle loss). The company has significant intellectual property coverage to protect these autoimmune indications, as well as therapy as an anti-aging product;
- Supera-CBD is a synthetic analog of cannabidiol ("CBD") being developed to treat various conditions, including, but not limited to, epilepsy, pain, and anxiety/depression, through its effects on the CB2 receptor, and a monoamine oxidase enzyme ("MAO") type B. Supera-CBD has shown tremendous promise in treating neuroinflammatory and neurodegenerative diseases, and will be a major focus as the Company moves forward.

The rights to Supera-CBD were previously owned by Supera and were acquired by MyMD Florida (as defined below) immediately prior to the closing of the Merger.

#### **Closing of the Merger and Reverse Stock Split**

On April 16, 2021, pursuant to the previously announced Agreement and Plan of Merger and Reorganization, dated November 11, 2020 (the "Original Merger Agreement"), as amended by Amendment No. 1 thereto, dated March 16, 2021 (the Original Merger Agreement, as amended by Amendment No. 1, the "Merger Agreement"), by and among MyMD, a New Jersey corporation previously known as Akers Biosciences, Inc., XYZ Merger Sub, Inc. ("Merger Sub"), and MyMD Pharmaceuticals (Florida), Inc., a Florida corporation previously known as MyMD Pharmaceuticals, Inc. ("MyMD Florida"), Merger Sub was merged with and into MyMD Florida, with MyMD Florida continuing after the merger as the surviving entity and a wholly owned subsidiary of the Company (the "Merger"). At the effective time of the Merger, without any action on the part of any stockholder, each issued and outstanding share of pre-Merger MyMD Florida's common stock, par value \$0.001 per share (the "MyMD Florida Common Stock"), including shares underlying pre-Merger MyMD Florida's outstanding equity awards, was converted into the right to receive (x) 0.7718 shares (the "Exchange Ratio") of the Company from the exercise of any options to purchase shares of MyMD Florida Common Stock outstanding at the effective time of the Merger assumed by the Company upon closing of the Merger prior to the second-year anniversary of the closing of the Merger (the "Option Exercise Period"), such payment (the "Additional Consideration"), and (z) potential milestone payment in shares of Company Common Stock up to the aggregate number of shares issued by the Company to pre-Merger MyMD Florida stockholders at the closing of the Merger (the "Milestone Payments") payable upon the achievement of certain market capitalization milestone events (the "Milestone Payments") payable upon the achievement of certain market capitalization milestone events (the "Milestone Payments are set forth in the table below.

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Milestone Event	Milestone Payment
Market capitalization of the combined company for at least ten (10) trading days during any 20 consecutive trading day period during the Milestone Period is equal to or greater than \$500,000,000 (the "First Milestone Event").	\$20,000,000
For every \$250,000,000 incremental increase in market capitalization of the combined company after the First Milestone Event to the extent such incremental increase occurs for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period, up to a \$1,000,000,000 market capitalization of the combined company.	\$10,000,000 per each incremental increase (it being understood, however, that, if such incremental increase results in market capitalization equal to \$1,000,000,000, such \$10,000,000 payment in respect of such incremental increase shall be payable without duplication of any amount payable in respect of a Second Milestone Event, as defined below).
Market capitalization of the combined company for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period is equal to or greater than \$1,000,000,000 (the "Second Milestone Event")	\$25,000,000
F o r every \$1,000,000,000 incremental increase in market capitalization of the combined company after the Second Milestone Event to the extent such incremental increase occurs for at least 10 trading days during any 20 consecutive trading day period during the Milestone Period	\$25,000,000 per each incremental increase

For purposes of the table above, "market capitalization" means, with respect to any trading day, the product of (i) the total outstanding shares of the combined company common stock and (ii) the volume weighted average trading price for the combined company common stock for such trading day.

Immediately following the effective time of the Merger, the Company effected a 1-for-2 reverse stock split of the issued and outstanding Company Common Stock

(the "Reverse Stock Split"). Upon completion of the Merger and the transactions contemplated in the Merger Agreement, (i) the former MyMD Florida equity holders owned approximately 77.05% of the outstanding equity of the Company on a fully diluted basis, assuming the exercise in full of the pre-funded warrants to purchase 986,486 shares of Company Common stock and including 4,188,315 shares of Company Common Stock underlying options to purchase shares of MyMD Florida Common Stock assumed by the company at closing and after adjustments based on the Company's net cash at closing; and (ii) former Akers Biosciences, Inc. stockholders own approximately 22.95% of the outstanding equity of the Company.

Effective as of 4:05 pm Eastern Time on April 16, 2021, we filed an amendment to our Amended and Restated Certificate of Incorporation to effect the Reverse Stock Split. As a result of the Reverse Stock Split, immediately following the effective time of the Merger, every two shares of our Common Stock held by a stockholder immediately prior to the Reverse Stock Split were combined and reclassified into one share of our Common Stock. No fractional shares were issued in connection with the Reverse Stock Split. Each stockholder who did not have a number of shares evenly divisible pursuant to the Reverse Stock Split ratio and who would otherwise be entitled to receive a fractional share of our Common Stock was entitled to receive an additional share of our Common Stock.

In connection with the closing of the Merger, we changed our name to MyMD Pharmaceuticals, Inc. and our NASDAQ trading symbol to MYMD. For additional information concerning the Merger, please see Note 3 to the Company's Condensed Consolidated Financial Statements.

#### **Closing of Contribution and Assignment Agreement**

We acquired 100% of the membership interests of Cystron Biotech, LLC ("Cystron") pursuant to a Membership Interest Purchase Agreement, dated March 23, 2020 (as amended by Amendment No. 1 on May 14, 2020, the "MIPA") from certain selling parties (the "Cystron Sellers"). Cystron is a party to a License and Development Agreement (as amended and restated on March 19, 2020, in connection with our entry into the MIPA, the "License Agreement") with Premas Biotech PVT Ltd. ("Premas") whereby Premas granted Cystron, amongst other things, an exclusive license with respect to Premas' genetically engineered yeast (S. cerevisiae)-based vaccine platform, D-Crypt<sup>TM</sup>, for the development of a vaccine against COVID-19 and other coronavirus infections. We had partnered with Premas on this initiative as we sought to advance this COVID-19 vaccine candidate through the U.S. Food and Drug Administration ("FDA") and the office of the drug controller in India. Premas was primarily responsible for the development of the COVID-19 vaccine candidate through proof of concept and was entitled to receive milestone payments upon achievement of certain development milestones through proof of concept.

As of May 14, 2020, Premas had successfully completed its vaccine prototype and obtained transmission electron microscopic (TEM) images of the recombinant virus like particle (VLP) assembled in yeast. In July 2020, animal studies for the COVID-19 vaccine candidate were initiated in India. In addition, we announced that Premas had successfully completed the manufacturing process for the VLP vaccine candidate. On August 27, 2020, we announced with Premas positive proof of concept results from the animal studies conducted during a four-week test of the COVID-19 vaccine candidate in mice. On March 18, 2021, the Company and the Cystron Sellers, which are also shareholders of Oravax Medical, Inc. ("Oravax"), entered into a Termination and Release Agreement terminating the MIPA effective upon consummation of the Contribution Agreement (as defined below). In addition, the Cystron Sellers agreed to waive any change of control payment triggered under the MIPA as a result of the Merger.

On April 16, 2021, pursuant to the Contribution and Assignment Agreement, dated March 18, 2021 (the "Contribution Agreement") by and among the Company, Cystron, Oravax and, for the limited purpose set forth therein, Premas, the parties consummated the transactions contemplated therein. Pursuant to the Contribution Agreement, effective upon the closing of the Merger, the Company agreed (i) to contribute an amount in cash equal to \$1,500,000 to Oravax and (ii) cause Cystron to contribute substantially all of the assets associated with its business or developing and manufacturing Cystron's COVID-19 vaccine candidate to Oravax (the "Contribution Transaction"). In consideration for the Company's commitment to consummate the Contribution Transaction, Oravax issued to the Company 390,000 shares of its capital stock (equivalent to 13% of Oravax's outstanding capital stock on a fully diluted basis) and assumed all of the obligations or liabilities in respect of the assets of Cystron (excluding certain amounts due to Premas), including the obligations under the license agreement with Premas. In addition, Oravax or its subsidiaries. For additional information concerning the Contribution Transaction, please see Note 3 to the Company's Condensed Consolidated Financial Statements.

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Following the Contribution Transaction, Oravax is expected to pursue the COVID-19 vaccine candidate. MyMD is currently evaluating several options with respect to its interest in Oravax, including a potential distribution of Oravax shares to the MyMD shareholders. This would make Oravax a publicly held company. MyMD's interest in Oravax consists of 13% of Oravax's outstanding shares of capital stock and the rights to a 2.5% royalty on all future net sales. In addition, MyMD currently has the right to designate a member of the board of directors of Oravax, pursuant to which Mr. Joshua Silverman, our Chairman of the Board, has been designated to serve as a director of Oravax.

## Impact of the COVID-19 Pandemic on Our Business and Company Operations

The ultimate impact of the ongoing global COVID-19 pandemic or a similar health epidemic is highly uncertain and subject to future developments. These include but are not limited to the duration of the COVID-19 pandemic, new information which may emerge concerning the severity of the COVID-19 pandemic, and any additional preventative and protective actions that regulators, or our board of directors or management of the Company, may determine are needed. We do not yet know the full extent of potential delays or impacts on our business, healthcare systems or the global economy. We will continue to monitor the COVID-19 situation closely.

In response to public health directives and orders, we have implemented work-from-home policies for many of our employees and temporarily modified our operations to comply with applicable social distancing recommendations. The effects of the orders and our related adjustments in our business have in the past and may continue to negatively impact productivity, disrupt our business and delay our timelines, the magnitude of which will depend, in part, on the length and severity of the restrictions and other limitations on our ability to conduct our business in the ordinary course. Similar health directives and orders are affecting third parties with whom we do business. Further, restrictions on our ability to travel, stay-at-home orders and other similar restrictions on our business have limited our ability to support our operations.

Severe and/or long-term disruptions in our operations will negatively impact our business, operating results and financial condition in other ways, as well. Specifically, we anticipate that the stress of COVID-19 on healthcare systems generally around the globe will negatively impact regulatory authorities and the third parties that we may engage in connection with the development and testing of our therapeutic targets.

To date, we have encountered delays in receiving critical clinical supplies from our manufacturer in India, which has impacted our ability to execute our development plan and the studies needed to advance product development have been delayed by the Company's difficulty recruiting patients for the required clinical trials.

In addition, while the potential economic impact brought by, and the duration of, COVID-19 may be difficult to assess or predict, it has significantly disrupted global financial markets, and may limit our ability to access capital, which could in the future negatively affect our liquidity. A recession or market correction resulting from the continuation of the COVID-19 pandemic could materially affect our business and the value of our common stock.

## **Recent Developments**

On August 15, 2022, the Company entered into a securities purchase agreement (the "Purchase Agreement") with certain accredited and institutional investors (the "Purchasers"). Pursuant to the Purchase Agreement, the Company agreed to sell in a registered direct offering (the "Registered Direct Offering") 1,411,764 shares (the "Shares") of the Company's Common Stock to the Purchasers at an offering price of \$4.25 per share and associated Investor Warrant (as defined below). Pursuant to the Purchasers Agreement, in a concurrent private placement (together with the Registered Direct Offering"), the Company is also selling to the Purchasers unregistered warrants (the "Investor Warrant") to purchase up to an aggregate of 1,411,764 shares of Common Stock, representing 100% of the shares of Common Stock that may be purchased in the Registered Direct Offering (the "Warrant Shares"). The Investor Warrants are exercisable at an exercise price of \$5.25 per share, are exercisable six months following the date of issuance and have a term of exercise equal to five years from the initial exercise date.

The Company expects to receive net proceeds from the sale of the Shares, after deducting fees and other estimated offering expenses payable by the Company, of approximately \$5.4 million. The Company intends to use the net proceeds for working capital and general corporate purposes.

The Offering is expected to close on August 17, 2022, subject to satisfaction of customary closing conditions.

#### **Financial Operations Overview**

We will not generate revenue from product sales unless and until we successfully complete clinical development, obtain regulatory approval for, and successfully commercialize our MYMD-1 and Supera-CBD product candidates. The lengthy process of securing marketing approvals for new drugs requires the expenditure of substantial resources. Any significant delay or failure to obtain regulatory approvals would materially adversely affect our product candidate's development efforts and our business overall. In addition, if we obtain regulatory approval for MYMD-1 and/or Supera-CBD, we expect to incur significant expenses related to developing our commercialization capability to support product sales, marketing, manufacturing and distribution activities.

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We anticipate that our expenses will increase significantly as we:

- advance the development of our MYMD-1 and Supera-CBD;
- initiate and continue research and preclinical and clinical development of potential new product candidates;
- maintain, expand and protect our intellectual property as it pertains to MYMD-1 and Supera-CBD;
- expand our infrastructure and facilities to accommodate our growing employee base and ongoing development activities;
- establish agreements with contract research organizations, or CROs, and third-party contract manufacturing organizations, or CMOs, in connection with our Supera-CBD preclinical studies, MYMD-1 ongoing and planned clinical trials, Supera-CBD clinical trials and the development of our manufacturing capabilities for MYMD-1 and Supera-CBD:
- develop the large-scale manufacturing processes and capabilities for the commercialization of our MYMD-1 and Supera-CBD drug products;
- seek marketing approvals for our MYMD-1 and Supera-CBD product candidates that successfully complete clinical trials and
- establish a sales, marketing and distribution infrastructure to commercialize MYMD-1 and Supera-CBD should we obtain marketing approval

As a result of these anticipated expenditures, we will need substantial additional funding to support our continuing operations and pursue our growth strategy.

#### **Components of our Results of Operations**

#### Revenue

We have not generated any revenue from product sales and do not expect to generate any revenue from the sale of products in the near future. If our research and development efforts with MYMD-1 and Supera-CBD are successful, we may generate revenue from product sales or through license agreements with third parties.

## **Operating Expenses**

Our operating expenses are broken into several components, research and development and general and administrative costs.

We expect operating expenses to increase as we progress through the various clinical trials in the development of MYMD-1 and Supera-CBD.

#### Research and development

Our research and development expenses primarily consist of costs associated with the development of MYMD-1 and Supera-CBD. These costs include, but are not limited to:

- Salaries, wages and benefits of the research and development staff;
- Contractual agreements with third parties including contract research organizations, preclinical activities and clinical trials.
- Outside consultants including fees and expenses
- Laboratory supplies and equipment
- Regulatory compliance
- Patent application and maintenance costs to protect our intellectual property.

Six of our nine employees are principally involved in research and development activities for either MYMD-1 or Supera-CBD. Their salaries, wages and benefits are captured as a component of research and development but not allocated to specific projects.

We utilize third party contractors and consultants with expertise in specific research or development activities to perform work under the supervision of our researchers. We believe this allows us to control costs and to progress through the development cycle and to utilize our staff more efficiently.

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It is difficult to project with absolute accuracy the duration or final cost of the development of MYMD-1 and Super-CBD or if revenue will be generated from the commercialization of these components. The process of achieving regulatory approval is very costly and time consuming. A few of the many factors that contribute to costs of duration include:

- Size and scope of pre-clinical trials
- The phases of clinical development and the stage of our product candidates in the cycle
- Per subject trial costs
- The number of sites required for the trials and the availability of appropriate sites to perform the trials
- The time that is required to enroll the appropriate number of trial participants
- The time required to achieve the approval of regulatory agencies.

#### General and Administrative

General and administrative expenses primarily consist of salaries, wages and benefits for our employees in the executive, legal and accounting functions and third party costs for legal, accounting, insurance, investor relations, stock market and board expenses.

We expect general and administrative expenses to decline over the near-term. We incurred significant non-recurring legal and accounting fees associated with our merger with Akers Biosciences and we do not anticipate the addition of new general and administrative staff.

Although treated as components of general and administrative expenses, we have chosen to disclose the following significant items separately:

#### Interest Expense and Accretion of Debt Discount (related party)

Interest expense and accretion of debt discount are the financing costs associated with the Starwood line-of credit which was terminated upon the closing of the merger with Akers Biosciences and the related line-of-credit plus the accumulated interest due was paid in full.

#### Stock Based Compensation

Stock based compensation includes the fair market value, as determined by Black-Scholes, of stock options issued to key staff and consultants.

#### Other Income (Expense), net

Other income (expense), net consists of interest and dividends earned on our cash, cash equivalents, and investments, losses on the sale of marketable securities, losses on equity investments, gains on the forgiveness of debt and an uninsured casualty loss.

#### **RESULTS OF OPERATIONS**

#### Summary of Statements of Operations for the Three Months Ended June 30, 2022 and 2021

We are focused on developing and commercializing two therapeutic platforms based on well-defined therapeutic targets, MYMD-1 and Supera-CBD. The following table summarized the results of operations for the three months ended June 30, 2022 and 2021.

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		Percent			
Description		2022	2021		Change
Operating Expenses					
General and Administrative	\$	1,346,763	\$	1,540,392	(12.6)
Research and Development		2,163,968		1,661,265	30.3
Interest Expense & Accretion of Debt Discount		-		40,526	(100.0)
Stock Based Compensation		132,246		15,036,051	(99.1)
Total Operating Expenses	\$	3,642,977	\$	18,278,234	(80.1)
Loss from Operations		(3,642,977)		(18,278,234)	(80.9)
Other Income		(6,934)		(185,898)	(96.3)
Net Loss	\$	(3,636,043)	\$	(18,092,336)	(79.9)

#### Revenue

We had no revenue during the three months ended June 30, 2022 and June 30, 2021.

#### **Research and Development Expenses**

Research and development expenses for the three months ended June 30, 2022 totalled \$2,163,968 as compared to \$1,661,265 for the three months ended June 30, 2021.

The table below summarizes our research and development expenses for the three months ended June 30, 2022 and 2021 as well as the percentage of change yearover-year:

		nded				
		June 30,				
Description		2022		2021	Change	
Salaries and Wages	\$	215,774	\$	175,112	23.2	
Development Programs		746,620		1,339,624	(44.3)	
Professional Services		11,426		13,730	(16.8)	
Regulatory Expenses		1,186,611		150,325	689.4	
Other Research and Development Expenses		3,337		(17,526)	(119.0)	
Total Research and Development Expenses	\$	2,163,968	\$	1,661,265	30.3	

Salaries and wages increased \$40,662 for the three months ended June 30, 2022. The increase is attributed to the addition of an additional staff position.

Development program costs include those associated with pre-clinical development, clinical trials and other manufacturing and development programs. Costs decreased \$592,804 for the three months ended June 30, 2022 related to the completion of a 10 month dog toxicology and a 6 month rat toxicology study. Both studies were required by the FDA under the current Investigational New Drug Applications ("IND"). The Company completed a Phase 1 clinical trial that was submitted to the FDA and justified further testing of the Phase 2 studies.

Professional services costs declined \$2,304 for the three months ended June 30, 2022. These costs are primarily related to legal and patent related fees associated with the protection of our intellectual property.

Regulatory expenses increased \$1,036,286 for the three months ended June 30, 2022. These expenses include the submission of an IND to the FDA to investigate sarcopenia and frailty in patients. We started a Phase 2 multi-center double blind placebo controlled randomized study to investigate efficacy and tolerability of MYMD-1 in the

treatment of chronic inflammation associated with sarcopenia and frailty. A clinical research organizations ("CRO") is managing the study with two central laboratories and a Pharmacokinetic testing site.

Other research and development expenses increased \$20,863 for the three months ended June 30, 2022. These expenses include laboratory supplies, training and travel for department personnel while working with third party trial sites.

Administrative Expenses

Administrative expenses for the three months ended June 30, 2022, totalled \$1,346,763, as compared to \$1,540,392 for the three months ended June 30, 2021.

The table below summarizes our administrative expenses for the three months ended June 30, 2022 and 2021 as well as the percentage of change year-over-year:

	For the Three		led	<b>D</b> (
Description	 2022	2 30,	2021	Percent Change
Personnel Costs	\$ 307,919	\$	246,184	25.1
Professional Service Costs	335,768		458,488	(26.8)
Stock Market & Investor Relations Costs	247,946		294,076	(15.7)
Other Administrative Costs	455,130		541,644	(16.0)
Total Administrative Expense	\$ 1,346,763	\$	1,540,392	(12.6)

Personnel costs increased \$61,735 for the three months ended June 30, 2022. Two additional staff members were acquired during the merger with Akers Biosciences and a 20% allocation for two research and development staff members has been made to account for their administrative duties.

Professional services costs declined \$122,720 during the three months ended June 30, 2022. These costs included legal and accounting and specialized consulting services related to the merger as well as other legal and accounting services regularly incurred in the course of business.

Stock market and investor relations costs decreased \$46,130 during the three months ended June 30, 2022. These costs include the annual NASDAQ listing fees, activities related to keeping the shareholder base informed through press releases, presentations and other communication efforts and the costs of annual and special shareholder meetings.

Other administrative expenses decreased \$86,514 for the three months ended June 30, 2022. These costs include Board expenses, business insurance, corporate travel and other general operating expenses.

#### Interest Expense and Accretion of Debt Discount

Interest expense and the accretion of the debt discount on the line-of-credit declined \$40,526 during the three months ended June 30, 2022. The line-of-credit included a requirement to issue one share of stock for each dollar borrowed. The fair market value, as determined using Black-Scholes, was amortized over the remaining life of the credit line. The line of credit also carried an annualized 5% interest rate.

The line of credit was terminated on April 16, 2021 in relation to the merger and was paid in full on April 28, 2021.

#### Stock-Based Compensation

During the three months ended March 31, 2022, we issued 200,000 stock options to an employee with an issue date fair value of \$3.59 per option. The options expire January 28, 2029 and are subject to a variable vesting schedule. For the three months ended June 30, 2022, we recognized expenses of \$127,330.

During the three months ended June 30, 2022, we issued 100,000 stock options to a consultant with an issue date fair value of \$2.30 per option. The options expire June 21, 2027 and vested immediately. The fair market value of the shares are being amortized over the twelve month term of the agreement. For the three months ended June 30, 2022, we recognized expenses of \$4,916.

During the three months ended June 30, 2021, we recorded \$15,036,051 in stock option modification expenses related to the 4,188,315 pre-Merger MyMD Florida options that were assumed by MyMD upon the consummation of the merger.

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#### Other Income and Expense

Other income, net of expense, for the three months ended June 30, 2022, totalled \$6,934. Other income, net of expense, for the three months ended June 30, 2021 totalled \$185,898.

The table below summarizes our other income and expenses for the three months ended June 30, 2022 and 2021, as well as the percentage of change year-over-year:

		ded	Percent			
Description		2022		2021	Change	
Realized (Gains)/Losses on Investments	\$	1,999	\$	(41,447)	(104.8)	
Equity Investments (Gains)/Losses		(2,947)		41,447	107.1	
Interest and Dividend Income		(5,986)		(5,641)	6.1	
Gain on Forgiveness of Debt						
-		-		(180,257)	(100.0)	
Total Other Expense, Net of Income	\$	(6,934)	\$	(185,898)	(96.3)	

Realized losses on investments were \$1,999 for the three months ended June 30, 2022 as compared to gains of \$41,447 for the same period in 2021. The decline is principally due to the overall decline in the financial markets and our cash reserves available for investment.

Equity investment gains were \$2,947 for the three months ended June 30, 2022 as compared to losses of \$41,447 for the same period in 2021 and reflect the changes in

the fair market value of the equity investments.

Interest and dividend income increased to \$5,986 for the three months ended June 30, 2022 compared to \$5,641 for the three months ended June 30, 2021.

The gain on debt forgiveness is associated with the negotiated settlement of an outstanding debt on a lease totalling \$109,657 and the forgiveness of our Payroll Protection Program loans totalling \$70,600.

## Summary of Statements of Operations for the Six Months Ended June 30, 2022 and 2021

We are focused on developing and commercializing two therapeutic platforms based on well-defined therapeutic targets, MYMD-1 and Supera-CBD. The following table summarized the results of operations for the six months ended June 30, 2022 and 2021.

		Percent		
Description		2022	2021	Change
Operating Expenses				
General and Administrative	\$	2,741,875	\$ 2,618,555	4.7
Research and Development		4,793,711	3,012,242	59.1
Interest Expense & Accretion of Debt Discount		-	701,090	(100.0)
Stock Based Compensation		229,245	15,036,051	(98.5)
Total Operating Expenses	\$	7,764,831	\$ 21,367,938	(63.7)
Loss from Operations		(7,764,831)	(21,367,938)	(63.7)
Other Income		(6,754)	(185,898)	(96.4)
Net Loss	\$	(7,758,077)	\$ (21,182,040)	(63.4)

#### Revenue

We had no revenue during the six months ended June 30, 2022 and June 30, 2021.

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#### **Research and Development Expenses**

Research and development expenses for the six months ended June 30, 2022 totalled \$4,793,710 as compared to \$3,012,242 for the six months ended June 30, 2021.

The table below summarizes our research and development expenses for the six months ended June 30, 2022 and 2021 as well as the percentage of change year-overyear:

		Percent			
Description		2022	_	2021	Change
Salaries and Wages	\$	427,194	\$	350,261	22.0
Development Programs		2,226,294		2,271,497	(2.0)
Professional Services		11,426		24,265	(52.9)
Regulatory Expenses		2,119,174		343,315	517.3
Other Research and Development Expenses		9,623		22,904	(58.0)
Total Research and Development Expenses	\$	4,793,711	\$	3,012,242	59.1

Salaries and wages increased \$76,933 for the six months ended June 30, 2022. The increase is attributed to the addition of an additional staff position.

Development program costs include those associated with pre-clinical development, clinical trials and other manufacturing and development programs. Costs decreased \$45,203 for the six months ended June 30, 2022 related to the completion of a 10 month dog toxicology and a 6 month rat toxicology study. Both studies were required by the FDA under the current IND. The Company completed a Phase 1 clinical trial that was submitted to the FDA and justified further testing of the Phase 2 studies.

Professional services costs declined \$12,839 for the six months ended June 30, 2022. These costs are primarily related to legal and patent related fees associated with the protection of our intellectual property.

Regulatory expenses increased \$1,775,859 for the six months ended June 30, 2022. These expenses include the submission of an IND to the FDA to investigate sarcopenia and frailty in patients. We started a Phase 2 multi-center double blind placebo controlled randomized study to investigate efficacy and tolerability of MYMD-1 in the treatment of chronic inflammation associated with sarcopenia and frailty. A CRO is managing the study with two central laboratories and a Pharmacokinetic testing site.

Other research and development expenses declined \$13,281 for the six months ended June 30, 2022. These expenses include laboratory supplies, training and travel for department personnel while working with third party trial sites.

## Administrative Expenses

Administrative expenses for the six months ended June 30, 2022, totalled \$2,741,875, as compared to \$2,618,555 for the six months ended June 30, 2021.

The table below summarizes our administrative expenses for the six months ended June 30, 2022 and 2021 as well as the percentage of change year-over-year:

	For the Six Months Ended June 30,				Percent	
Description		2022		2021	Change	
Personnel Costs	\$	662,572	\$	408,999	62.0	
Professional Service Costs		683,382		922,002	(25.9)	
Stock Market & Investor Relations Costs		518,016		339,971	52.4	
Other Administrative Costs		877,905		947,583	(7.4)	
Total Administrative Expense	\$	2,741,875	\$	2,618,555	4.7	

Personnel costs increased \$253,573 for the six months ended June 30, 2022. Two additional staff members were acquired during the merger with Akers Biosciences and a 20% allocation for two research and development staff members has been made to account for their administrative duties.

Professional services costs declined \$238,620 during the six months ended June 30, 2022. These costs included legal and accounting and specialized consulting services related to the merger as well as other legal and accounting services regularly incurred in the course of business.

Stock market and investor relations costs increased \$178,045 during the six months ended June 30, 2022. These costs include the annual NASDAQ listing fees, activities related to keeping the shareholder base informed through press releases, presentations and other communication efforts and the costs of annual and special shareholder meetings. Prior to the Merger, MyMD Florida was not a reporting company and did not experience the costs associated with a publicly reporting entity.

Other administrative expenses decreased \$69,678 for the six months ended June 30, 2022. These costs include Board expenses, business insurance, corporate travel, the settlement of shareholder litigation related to the merger and other general operating expenses.

#### Interest Expense and Accretion of Debt Discount

Interest expense and the accretion of the debt discount on the line-of-credit declined \$701,090 during the six months ended June 30, 2022. The line-of-credit included a requirement to issue one share of stock for each dollar borrowed. The fair market value, as determined using Black-Scholes, was amortized over the remaining life of the credit line. The line of credit also carried an annualized 5% interest rate.

The line of credit was terminated on April 16, 2021 in relation to the merger and was paid in full on April 28, 2021.

## Stock-Based Compensation

During the three months ended March 31, 2022, we issued 200,000 stock options to an employee with an issue date fair value of \$3.59 per option. The options expire January 28, 2029 and are subject to a variable vesting schedule. For the six months ended June 30, 2022, we recognized expenses of \$208,332.

During the three months ended June 30, 2022, we issued 100,000 stock options to a consultant with an issue date fair value of \$2.30 per option. The options expire June 21, 2027 and vested immediately. The fair market value of the shares are being amortized over the twelve month term of the agreement. For the six months ended June 30, 2022, we recognized expenses of \$4,916.

We issued 4,040 restricted stock units with an issue date fair value of \$3.96 per RSU. These units vested upon issue. For the six months ended June 30, 2022, we recognized expenses of \$15,998.

During the six months ended June 30, 2021, we recorded \$15,036,051 in stock option modification expenses related to the 4,188,315 pre-Merger MyMD Florida options that were assumed by MyMD upon the consummation of the merger.

#### **Other Income and Expense**

Other income, net of expense, for the six months ended June 30, 2022, totalled \$6,754. Other income, net of expense, for the six months ended June 30, 2021 totalled \$185,898.

The table below summarizes our other income and expenses for the six months ended June 30, 2022 and 2021, as well as the percentage of change year-over-year:

	For the Six M	onths End	ed	
	 June	30,		Percent
Description	2022		2021	Change
Realized (Gains)/Losses on Investments	\$ 3,649	\$	(41,447)	(108.8)
Equity Investments Losses	145		41,447	(99.7)
Interest and Dividend Income	(6,106)		(5,641)	8.2
Gain on Forgiveness of Debt	-		(180,257)	(100.0)
Gain on Recovery of Casualty Loss	(4,442)		-	100.0
Total Other Expense, Net of Income	\$ (6,754)	\$	(185,898)	(96.4)

Realized losses on investments were \$3,649 for the six months ended June 30, 2022 as compared to gains of \$41,447 for the same period in 2021. The decline is principally due to the overall decline in the financial markets and our cash reserves available for investment.

Equity investment losses were \$145 for the six months ended June 30, 2022 as compared \$41,447 for the same period in 2021. The losses were due to a decrease in the fair market value of the equity investments.

Interest and dividend income increased to \$6,106 for the six months ended June 30, 2022 compared to \$5,641 for the three months ended June 30, 2021.

The gain on debt forgiveness is associated with the negotiated settlement of an outstanding debt on a lease totalling \$109,657 and the forgiveness of our Payroll Protection Program loans totalling \$70,600.

We recovered \$4,442 of the uninsured casualty losses identified in October 2021.

#### Liquidity and Capital Resources

As of June 30, 2022, our cash on hand totalled \$1,115,174 and marketable securities totalling \$4,505,825. We incurred a net loss of \$7,758,077 for the six months ended June 30, 2022. As of June 30, 2022, we had working capital of \$4,089,352, shareholders' equity of \$16,118,343 and an accumulated deficit of \$86,319,645. During the six months ended June 30, 2022, cash flows used in operating activities were \$5,934,245 consisting primarily of a net loss of \$7,758,077 offset by an increase in trade and other payables of \$1,854,909. Since the Company's inception, we have met our liquidity requirements principally through the sale of our common stock in public offerings and private placements.

We evaluated the current cash requirements for operations in conjunction with management's strategic plan and believe that our current financial resources as of the date of the issuance of these condensed consolidated financial statements, inclusive of the funding obtained through the definitive agreement executed on August 15, 2022, are sufficient to fund our current operating budget and contractual obligations as of June 30, 2022 as they fall due within the next twelve-month period, alleviating any substantial

doubt raised by our historical operating results and satisfying our estimated liquidity needs for twelve months from the issuance of these condensed consolidated financial statements.

#### **Operating** Activities

Our net cash used by operating activities totalled \$5,934,245 during the six months ended June 30, 2022. Net cash used consisted principally of the net loss of \$7,758,077 partially offset by an increase in trade and other payables of \$1,854,909.

Our net cash used by operating activities totalled \$8,258,496 during the six months ended June 30, 2021. Net cash used consisted principally of the net losses from operations of \$21,182,040 and a decrease in trade and other payables of \$1,988,204 partially offset by non-cash option modification expenses of \$15,036,051.

#### **Investing** Activities

Our net cash provided by investing activities totalled \$6,493,452 for the six months ended June 31, 2022 as compared to cash provided by investing activities total \$11,353,891 during the six months ended June 31, 2021. During the six months ended June 30, 2022 we purchased securities totalling \$6,548 and sold securities totalling \$6,500,000. During the six months ended June 30, 2021, we purchased securities totalling \$10,137 and sold securities totalling \$9,983,176 and received \$1,380,852 from the merger.

## Financing Activities

Net cash consumed by financing activities during the six months ended June 30, 2022 was \$0 as compared to cash consumed by financing activities totalling \$1,116,307 during the six months ended June 30, 2021 which consisted of the payoff of the Company's lines of credit totalling \$3,062,444 offset by proceeds of \$120,000 from the line of credit and \$1,826,137 from the Promissory Note.

## **Critical Accounting Policies**

Our management's discussion and analysis of our financial condition and results of operations is based on our condensed consolidated financial statements, which have been prepared in accordance with US GAAP. The preparation of our condensed consolidated financial statements and related disclosures requires us to make estimates, assumptions and judgments that affect the reported amount of assets, liabilities, costs and expenses and related disclosures. We base our assumptions, estimates and judgments on historical experience, current trends and other factors that management believes to be relevant at the time our consolidated financial statements are prepared. Accordingly, we evaluate our estimates and assumptions on an ongoing basis. Our actual results may differ from these estimates under different assumptions and conditions.

Our critical accounting estimates have not changed materially from those previously reported in our Annual Report for the year ended December 31, 2021 on Form 10-K.

#### Item 3. Quantitative and Qualitative Disclosures About Market Risk.

Not applicable.

#### Item 4. Controls and Procedures.

#### **Disclosure Controls and Procedures**

Our principal executive officer and principal financial officer, after evaluating the effectiveness of our disclosure controls and procedures (as defined in the Securities Exchange Act of 1934, as amended (the "Exchange Act") Rule 13a-15(e) and 15d-15(e)) as of the end of the period covered by this Quarterly Report on Form 10-Q, have concluded that, based on such evaluation, our disclosure controls and procedures were effective to ensure that information required to be disclosed by us in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC's rules and forms, and is accumulated and communicated to our management, including our principal executive officer and principal financial officer as appropriate to allow timely decisions regarding required disclosure.

#### Changes in Internal Control over Financial Reporting

There were no changes in our internal control over financial reporting that occurred during our last fiscal quarter ended June 30, 2022 that have materially affected, or are reasonably likely to affect, our internal control over financial reporting.

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## **PART II - OTHER INFORMATION**

#### **Item 1. Legal Proceedings**

From time to time we are a party to litigation and subject to claims incident to the ordinary course of business. Future litigation may be necessary to defend ourselves and our customers by determining the scope, enforceability, and validity of third-party proprietary rights or to establish our proprietary rights. For a description of certain legal proceedings, please read Note 8 to the interim condensed consolidated financial statements, which information is incorporated herein by reference.

#### Item 1A. Risk Factors

The following description of risk factors includes any material changes to, and supersedes the description of, risk factors associated with our business, financial condition and results of operations previously disclosed in "Item 1A. Risk Factors" of our Annual Report for the year ended December 31, 2021 on Form 10-K, as filed with the SEC on March 31, 2022. Our business, financial condition and operating results can be affected by a number of factors, whether currently known or unknown, including but not limited to those described below, any one or more of which could, directly or indirectly, cause our actual financial condition and operating results to vary materially from past, or from anticipated future, financial condition and operating results. Any of these factors, in whole or in part, could materially and adversely affect our business, financial condition, operating results and stock price.

The following discussion of risk factors contains forward-looking statements. These risk factors may be important to understanding other statements in this Form 10-Q. The following information should be read in conjunction with the condensed consolidated financial statements and related notes in Part I, Item 1, "Financial Statements" and Part I, Item 2, "Management's Discussion and Analysis of Financial Condition and Results of Operations" of this Form 10-Q.

## We may not be able to adequately protect or enforce our intellectual property rights, which could harm our competitive position.

Our success and future revenue growth will depend, in part, on our ability to protect our intellectual property. We will primarily rely on patent, copyright, trademark and trade secret laws, as well as nondisclosure agreements and other methods, to protect our proprietary technologies or processes. It is possible that competitors or other unauthorized third parties may obtain, copy, use or disclose proprietary technologies and processes, despite efforts by the us to protect our proprietary technologies and processes. While we hold rights in several patents, there can be no assurances that any additional patents will be issued, or additional rights will be granted, to us. Even if new patents are issued, the claims allowed may not be sufficiently broad to adequately protect our technology and processes. Our competitors may also be able to develop similar technology independently or design around the patents to which we have rights.

Currently, MyMD has 16 issued U.S. patents, 14 foreign patents, three pending U.S. patent applications and 17 foreign patent applications pending in such jurisdictions as Australia, Canada, China, European Union, Israel, Japan and South Korea, which if issued are expected to expire between 2036 and 2041. Although we expect to obtain additional patents and in-licenses in the future, there is no guarantee that we will be able to successfully obtain such patents or in-licenses in a timely manner or at all. Further, any of our rights to existing patents, and any future patents issued to us, may be challenged, invalidated or circumvented. As such, any rights granted under these patents may not provide us with meaningful protection. Even if foreign patents are granted, effective enforcement in foreign countries may not be available. If our patents or rights to patents do not adequately protect our technology or processes, competitors may be able to offer products similar to our products.

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#### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

There were no unregistered sales of the Company's equity securities during the three months ended June 30, 2022, other than those previously reported in a Current Report on Form 8-K.

#### Item 3. Defaults Upon Senior Securities

There has been no default in the payment of principal, interest, sinking or purchase fund installment, or any other material default, with respect to any indebtedness of the Company.

#### Item 4. Mine Safety Disclosures

Not applicable.

## Item 5. Other Information.

## August 2022 Offering

On August 15, 2022, the Company entered into a securities purchase agreement (the "Purchase Agreement") with certain accredited and institutional investors (the "Purchasers"). Pursuant to the Purchase Agreement, the Company agreed to sell in a registered direct offering (the "Registered Direct Offering") 1,411,764 shares (the "Shares") of the Company's Common Stock to the Purchasers at an offering price of \$4.25 per share and associated Investor Warrant (as defined below). Pursuant to the Purchasers Agreement, in a concurrent private placement (together with the Registered Direct Offering"), the Company is also selling to the Purchasers unregistered warrants (the "Investor Warrants") to purchase up to an aggregate of 1,411,764 shares of Common Stock, representing 100% of the shares of Common Stock that may be purchased in the Registered Direct Offering (the "Warrant Shares"). The Investor Warrants are exercisable at an exercise price of \$5.25 per share, are exercisable six months following the date of issuance and have a term of exercise equal to five years from the initial exercise date.

The Company expects to receive net proceeds from the sale of the Shares, after deducting fees and other estimated offering expenses payable by the Company, of approximately \$5.4 million. The Company intends to use the net proceeds for working capital and general corporate purposes.

Certain existing stockholders of the Company led and participated in the Offering.

The Offering is expected to close on August 17, 2022, subject to satisfaction of customary closing conditions.

Dawson James Securities, Inc. (the "Placement Agent") acted as the lead placement agent for the Offering pursuant to the engagement letter with the Company dated as of August 14, 2022. Upon closing of the Offering, the Company will pay to the Placement Agent a commission of 4% and reimbursement of certain expenses. In addition, the Company agreed to pay to the Placement Agent a cash fee equal to 4.0% of the proceeds from the exercise of the Investor Warrants that were solicited by the Placement Agent. In addition, Katalyst Securities, Inc. acted as a financial advisory in connection with the Offering and will receive a cash fee of \$200,000.

Neither the Investor Warrants nor the Warrant Shares are registered under the Securities Act of 1933, as amended (the "Securities Act"). The Investor Warrants and Warrant Shares will be issued in reliance on the exemptions from registration provided by Section 4(a)(2) under the Securities Act and Regulation D promulgated thereunder for transactions not involving a public offering.

The sale of the Shares will be made pursuant to the Company's effective Registration Statement on Form S-3 (Registration No. 333-254698), including a prospectus contained therein dated May 11, 2021, as supplemented by a prospectus supplement, dated August 15, 2022, relating to the Registered Direct Offering.

The Purchase Agreement contains customary representations, warranties, and covenants of the Company and also provides for customary indemnification by the Company against certain liabilities of the Purchasers.

The foregoing descriptions of the terms and conditions of the Purchase Agreement and the Investor Warrants are qualified in their entirety by reference to the full text of the form of Purchase Agreement and the form of Investor Warrant, copies of which are attached hereto as Exhibits 10.1 and 4.1, respectively, and which are incorporated herein by reference.

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#### Item 6. Exhibits.

# Exhibit Number Exhibit Description 2.1\*\* Agreement and Plan of Merger and Reorganization, dated November 11, 2020, by and among Akers Biosciences, Inc., XYZ Merger Sub Inc., and MYMD Pharmaceuticals, Inc. (incorporated herein by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on November 12, 2020).

2.2	Amendment No.1 to Agreement and Plan of Merger and Reorganization, dated March 16, 2021, by and among Akers Biosciences, Inc., XYZ Merger Sub Inc., and MyMD Pharmaceuticals, Inc. (incorporated by reference to Exhibit 2.2 to the Company's Registration Statement on Form S-4/A filed with the Securities and Exchange Commission on March 19, 2021).
3.1	Amended and Restated Certificate of Incorporation, effective April 16, 2021 (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on April 22, 2021).
3.2	Certificate of Amendment to Amended and Restated Certificate of Incorporation, effective April 16, 2021 (incorporated herein by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on April 22, 2021).
3.3	Amended and Restated Bylaws of MyMD Pharmaceuticals, Inc., effective April 16, 2021 (incorporated herein by reference to Exhibit 3.3 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on April 22, 2021).
4.1*	Form of Warrant.
10.1*	Form of Securities Purchase Agreement.
31.1*	Certification of Principal Executive Officer required by Rule 13a-14(a) or Rule 15d-14(a).
31.2*	Certification of Principal Financial Officer required by Rule 13a-14(a) or Rule 15d-14(a).
32.1*	Certification of Principal Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2*	Certification of Principal Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101*	Interactive Data Files of Financial Statements and Notes.
104*	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101).

\* Filed herewith.

\*\* The schedules and exhibits to the Agreement and Plan of Merger and Reorganization have been omitted pursuant to Item 601(b)(2) of Regulation S-K. A copy of any omitted schedule and/or exhibit will be furnished to the SEC upon request.

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# SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

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Date: August 15, 2022

Date: August 15, 2022

# MYMD PHARMACEUTICALS, INC.

By:	/s/ Chris Chapman
Name:	Chris Chapman
Title:	President, Chief Medical Officer, and Director
	(Principal Executive Officer)
By:	/s/ Ian Rhodes
Name:	Ian Rhodes
Title:	Chief Financial Officer
	(Principal Financial Officer)

#### Exhibit 4.1

## EXHIBIT A

NEITHER THIS SECURITY NOR THE SECURITIES FOR WHICH THIS SECURITY IS EXERCISABLE HAVE BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM R EGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS. THIS SECURITY AND THE SECURITIES ISSUABLE UPON EXERCISE OF THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT OR OTHER LOAN SECURED BY SUCH SECURITIES.

## COMMON STOCK PURCHASE WARRANT

# MYMD PHARMACEUTICALS, INC.

Warrant Shares:

Issue Date:\_\_\_\_, 2022

Initial Exercise Date: [•], 2022<sup>1</sup>

THIS COMMON STOCK PURCHASE WARRANT (the "<u>Warrant</u>") certifies that, for value received, \_\_\_\_\_\_\_ or its assigns (the '<u>Holder</u>") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after the date set forth above (the "<u>Initial Exercise</u> <u>Date</u>") and on or prior to 5:00 p.m. (New York City time) on February [ $\bullet$ ], 2028<sup>2</sup> (the "<u>Termination Date</u>") but not thereafter, to subscribe for and purchase from MyMD Pharmaceuticals, Inc., a New Jersey corporation (the "<u>Company</u>"), up to \_\_\_\_\_\_\_ shares (as subject to adjustment hereunder, the '<u>Warrant Shares</u>") of Common Stock. The purchase price of one share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b).

Section 1. Definitions. Capitalized terms used and not otherwise defined herein shall have the meanings set forth in that certain Securities Purchase Agreement (the "Purchase Agreement"), dated August [•], 2022, among the Company and the purchasers signatory thereto.

1. The date that is the 6-month anniversary of the Issue Date.

2. The date that is the 5-year anniversary of the Initial Exercise Date, provided that, if such date is not a Trading Day, insert the immediately following Trading Day.

Section 2. Exercise.

a) Exercise of Warrant. Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company of a duly executed PDF copy submitted by e-mail (or e-mail attachment) of the Notice of Exercise in the form annexed hereto (the "<u>Notice of Exercise</u>"). Within the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined in Section 2(d)(i) herein) following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(c) below is specified in the applicable Notice of Exercise be required. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasel hereunder in an amount equal to the applicable number of Warrant Shares purchased. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise to any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for under the applicable number of Warrant Shares available for purchase hereunder and the date or such purchases. The Company sh

b) Exercise Price. The exercise price per share of Common Stock under this Warrant shall be \$5.25, subject to adjustment hereunder (the 'Exercise Price').

c) <u>Cashless Exercise</u>. If at any time following the six-month anniversary of the Closing Date, there is no effective registration statement registering, or the prospectus contained therein is not available for the resale of the Warrant Shares by the Holder, then this Warrant may also be exercised, in whole or in part, at such time by means of a "cashless exercise" in which the Holder shall be entitled to receive a number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = as applicable: (i) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise if such Notice of Exercise is (1) both executed and delivered pursuant to Section 2(a) hereof on a day that is not a Trading Day or (2) both executed and delivered pursuant to Section 2(a) hereof on a Trading Day prior to the opening of "regular trading hours" (as defined in Rule 600(b) of Regulation NMS promulgated under the federal securities laws) on such Trading Day, (ii) at the option of the Holder, either (y) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise or (z) the Bid Price of the Common Stock on the principal Trading Market as reported by Bloomberg L.P. as of the time of the Holder's execution of the applicable Notice of Exercise if such Notice of Exercise is executed during "regular trading hours" on a Trading Day and is delivered within two (2) hours thereafter (including until two (2) hours after the close of "regular trading hours" on a Trading Day and such Notice of Exercise is both executed and delivered pursuant to Section 2(a) hereof or (iii) the VWAP on the date of the applicable Notice of Exercise is both executed and delivered pursuant to Section 2(a) hereof of (iii) the VWAP on the date of the applicable Notice of Exercise is a Trading Day and such Notice of Exercise is both executed and delivered pursuant to Section 2(a) hereof and delivered pursuant to Section 2(a) hereof and the common Section 2(a) hereof and the secuted and delivered pursuant to Section 2(a) hereof and the secuted and delivered pursuant to Section 2(a) hereof and such Notice of Exercise is a Trading Day and such Notice of Exercise is both executed and delivered pursuant to Section 2(a) hereof after the close of "regular trading hours" on such Trading Day;

- (B) = the Exercise Price of this Warrant, as adjusted hereunder; and
- (X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the characteristics of the Warrants being exercised, and the holding period of the Warrant Shares being issued may be tacked on to the holding period of this Warrant. The Company agrees not to take any position contrary to this Section 2(c).

"Bid Price" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the bid price of the Common Stock for the time in question (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQA applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported on The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Purchasers of a majority in interest of the Securities then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

"<u>VWAP</u>" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported in The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Purchasers of a majority in interest of the Securities then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

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#### d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. The Company shall cause the Warrant Shares purchased hereunder to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder's or its designee's balance account with The Depository Trust Company through its Deposit or Withdrawal at Custodian system ("DWAC") if the Company is then a participant in such system and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by the Holder or (B) the Warrant Shares are eligible for resale by the Holder without volume or manner-of-sale limitations pursuant to Rule 144 (assuming cashless exercise of the Warrants), and otherwise by physical delivery of a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is the earliest of (i) two (2) Trading Days after the delivery to the Company of the Notice of Exercise and, (ii) one (1) Trading Day after delivery of the aggregate Exercise Price to the Company and (iii) the number of Trading Days comprising the Standard Settlement Period after the delivery to the Company of the Notice of Exercise (such date, the "Warrant Share Delivery Date"). Upon delivery of the Notice of Exercise, the Holder shall be deemed for all corporate purposes to have become the holder of record of the Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the Warrant Shares, provided that payment of the aggregate Exercise Price (other than in the case of a cashless exercise) is received within two (2) Trading Days following delivery of the Notice of Exercise. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the Warrant Share Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares subject to such exercise (based on the VWAP of the Common Stock on the date of the applicable Notice of Exercise), \$10 per Trading Day (increasing to \$20 per Trading Day on the fifth Trading Day after such liquidated damages begin to accrue) for each Trading Day after such Warrant Share Delivery Date until such Warrant Shares are delivered or Holder rescinds such exercise. The Company agrees to maintain a transfer agent that is a participant in the FAST program so long as this Warrant remains outstanding and exercisable. As used herein, "Standard Settlement Period" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of the Notice of Exercise.

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ii. <u>Delivery of New Warrants Upon Exercise</u>. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. <u>Rescission Rights</u>. If the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares pursuant to Section 2(d) (i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise.

iv. Compensation for Buy-In on Failure to Timely Deliver Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares in accordance with the provisions of Section 2(d)(i) above pursuant to an exercise on or before the Warrant Share Delivery Date, and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of shares of Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases Common Stock having a total purchase price of \$11,000 to cover a Buy-In with respect to an attempted exercise of shares of Common Stock with an aggregate sale price giving rise to such purchase obligation of \$10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder \$1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

v. <u>No Fractional Shares or Scrip</u>. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share. vi. <u>Charges, Taxes and Expenses</u>. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; <u>provided</u>, <u>however</u>, that, in the event that Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto. The Company shall pay all Transfer Agent fees required for same-day processing of any Notice of Exercise and all fees to the Depository Trust Company (or another established clearing corporation performing similar functions) required for same-day elevence.

vii. <u>Closing of Books</u>. The Company will not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

e) Holder's Exercise Limitations. The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, pursuant to Section 2 or otherwise, to the extent that after giving effect to such issuance after exercise as set forth on the applicable Notice of Exercise, the Holder (together with the Holder's Affiliates, and any other Persons acting as a group together with the Holder or any of the Holder's Affiliates (such Persons, "Attribution Parties")), would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates and Attribution Parties shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, nonexercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or nonconverted portion of any other securities of the Company (including, without limitation, any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this Section 2(e), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 2(e) applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 2(e), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall within one Trading Day confirm orally and in writing to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be [4.99%/9.99%] of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issuable upon exercise of this Warrant. The Holder, upon notice to the Company, may increase or decrease the Beneficial Ownership Limitation provisions of this Section 2(e), provided that the Beneficial Ownership Limitation in no event exceeds 9.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock upon exercise of this Warrant held by the Holder and the provisions of this Section 2(e) shall continue to apply. Any increase in the Beneficial Ownership Limitation will not be effective until the 61st day after such notice is delivered to the Company. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(e) to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of this Warrant.

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## Section 3. Certain Adjustments.

a) <u>Stock Dividends and Splits</u>. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of the Common Stock any shares of common Stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

## b) Reserved.

## c) Reserved.

d) <u>Pro Rata Distributions</u>. If the Company, at any time while this Warrant is outstanding, shall distribute to all holders of Common Stock evidences of its indebtedness or assets (including cash and cash dividends) or rights or warrants to subscribe for or purchase any security other than the Common Stock (a "<u>Distribution</u>"), then, upon any exercise of this Warrant, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of Warrant Shares issued upon such exercise of this Warrant immediately before the date on which a record is taken for such Warrant, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, however, that to the extent that the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent) and the portion of such Distribution to such extent (or in the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation). For the term of the Warrant, the Company shall hold such Distribution for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation). For the term of the Warrant, the Company shall hold such Distribution for the benefit of the Holder until the Holder exceeding the Beneficial Ownership Limitation).

e) Fundamental Transaction. If, at any time while this Warrant is outstanding, (i) the Company (and all of its Subsidiaries, taken as a whole), directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company, directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off, merger or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires more than 50% of the outstanding shares of Common Stock (not including any shares of Common Stock held by the other Person or other Persons making or party to, or associated or affiliated with the other Persons making or party to, such stock or share purchase agreement or other business combination) (each a "Fundamental Transaction"), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 2(e) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the "Alternate Consideration") receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 2(e) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the "Successor Entity") to assume in writing all of the obligations of the Company under this Warrant and the other Transaction Documents in accordance with the provisions of this Section 3(e) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant and the other Transaction Documents referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant and the other Transaction Documents with the same effect as if such Successor Entity had been named as the Company herein.

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f) <u>Calculations</u>. All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

#### g) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly deliver to the Holder by email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company (and all of its Subsidiaries, taken as a whole) is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by email to the Holder at its last email address as it shall appear upon the Warrant Register of the Company, at least 20 calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange; provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

h) Voluntary Adjustment By Company. Subject to the rules and regulations of the Trading Market, the Company may at any time during the term of this Warrant, reduce the then current Exercise Price to any amount and for any period of time deemed appropriate by the board of directors of the Company.

### Section 4. Transfer of Warrant.

a) <u>Transferability</u>. Subject to compliance with any applicable securities laws and the conditions set forth in Section 4(d) hereof and to the provisions of Section 4.1 of the Purchase Agreement, this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with a written assignment of this Warrant substantially in the form attached hereto duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer; provided that any such transfer shall require the prior written consent of the Company. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment,

and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company unless the Holder has assigned this Warrant in full, in which case, the Holder shall surrender this Warrant to the Company within three (3) Trading Days of the date on which the Holder delivers an assignment form to the Company assigning this Warrant in full. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Issue Date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) <u>Warrant Register</u>. The Company shall register this Warrant, upon records to be maintained by the Company for that purpose (the '<u>Warrant Register</u>'), in the name of the record Holder hereof from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

d) <u>Transfer Restrictions</u>. If, at the time of the surrender of this Warrant in connection with any transfer of this Warrant, the transfer of this Warrant shall not be either (i) registered pursuant to an effective registration statement under the Securities Act and under applicable state securities or blue sky laws or (ii) eligible for resale without volume or manner-of-sale restrictions or current public information requirements pursuant to Rule 144, the Company may require, as a condition of allowing such transfer, that the Holder or transferee of this Warrant, as the case may be, comply with the provisions of Section 5.7 of the Purchase Agreement.

e) <u>Representation by the Holder</u>. The Holder, by the acceptance hereof, represents and warrants that it is acquiring this Warrant and, upon any exercise hereof, will acquire the Warrant Shares issuable upon such exercise, for its own account and not with a view to or for distributing or reselling such Warrant Shares or any part thereof in violation of the Securities Act or any applicable state securities law, except pursuant to sales registered or exempted under the Securities Act.

#### Section 5. Miscellaneous.

a) <u>No Rights as Stockholder Until Exercise</u>; <u>No Settlement in Cash</u>. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i), except as expressly set forth in Section 3. Without limiting any rights of a Holder to receive Warrant Shares on a "cashless exercise" pursuant to Section 2(c) or to receive cash payments pursuant to Section 2(d)(i) and Section 2(d)(iv) herein, in no event shall the Company be required to net cash settle an exercise of this Warrant.

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) <u>Saturdays</u>, <u>Sundays</u>, <u>Holidays</u>, <u>etc</u>. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then such action may be taken or such right may be exercised on the next succeeding Business Day.

### d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company walidly and legally issue fully paid and nonassesable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

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Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Jurisdiction. All questions concerning the construction, validity, enforcement and interpretation of this Warrant shall be determined in accordance with the provisions of the Purchase Agreement.

f) <u>Restrictions</u>. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, and the Holder does not utilize cashless exercise, will have restrictions upon resale imposed by state and federal securities laws.

g) Nonwaiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies. Without limiting any other provision of this Warrant or the Purchase Agreement, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys' fees, including those of appellate proceedings,

incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

h) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be delivered in accordance with the notice provisions of the Purchase Agreement.

i) <u>Limitation of Liability</u>. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

j) <u>Remedies</u>. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

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k) <u>Successors and Assigns</u>. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

1) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company and the Holder.

m) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

n) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

#### \*\*\*\*

(Signature Page Follows)

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IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

## MYMD PHARMACEUTICALS, INC.

By:			
By: Name:			-
Title:			
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## NOTICE OF EXERCISE

## TO: MYMD PHARMACEUTICALS, INC.

(1) The undersigned hereby elects to purchase \_\_\_\_\_ Warrant Shares of the Company pursuant to the terms of the attached Warrant (only if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of (check applicable box):

 $\Box$  in lawful money of the United States; or

 $\Box$  if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(c), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(c).

(3) Please issue said Warrant Shares in the name of the undersigned or in such other name as is specified below:

The Warrant Shares shall be delivered to the following DWAC Account Number:

(4) <u>Accredited Investor or Qualified Institutional Buyer</u>. The undersigned is either (i) an "accredited investor" as defined in Regulation D promulgated under the Securities Act of 1933, as amended, or (ii) a "qualified institutional buyer" as defined in Rule 144A(a) under the Securities Act of 1933, as amended.

#### [SIGNATURE OF HOLDER]

## ASSIGNMENT FORM

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name:
Address:

(Please Print)

Phone Number: Email Address: Dated: \_\_\_\_\_, \_\_\_\_ Holder's Signature: \_\_\_\_\_\_ Holder's Address: \_\_\_\_\_\_

## Consented and Acknowledged:

## MYMD PHARMACEUTICALS, INC.

By: Name: Title: (Please Print)

## SECURITIES PURCHASE AGREEMENT

This Securities Purchase Agreement (this "Agreement") is dated as of August 15, 2022, between MyMD Pharmaceuticals, Inc., a New Jersey corporation (the "Company"), and each purchaser identified on the signature pages hereto (each, including its successors and assigns, a 'Purchaser' and collectively the "Purchasers").

WHEREAS, subject to the terms and conditions set forth in this Agreement and pursuant to (i) an effective registration statement under the Securities Act of 1933, as amended (the "Securities Act") as to the Shares and (ii) an exemption from the registration requirements of Section 5 of the Securities Act contained in Section 4(a)(2) thereof and/or Regulation D thereunder as to the Warrants (as defined below), the Company desires to issue and sell to each Purchaser, and each Purchaser, severally and not jointly, desires to purchase from the Company, securities of the Company as more fully described in this Agreement.

NOW, THEREFORE, IN CONSIDERATION of the mutual covenants contained in this Agreement, and for other good and valuable consideration the receipt and adequacy of which are hereby acknowledged, the Company and each Purchaser agree as follows:

#### **ARTICLE I.** DEFINITIONS

1.1 Definitions. In addition to the terms defined elsewhere in this Agreement, for all purposes of this Agreement, the following terms have the meanings set forth in this Section 1.1:

"Acquiring Person" shall have the meaning ascribed to such term in Section 4.5.

"Action" shall have the meaning ascribed to such term in Section 3.1(j).

"Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person as such terms are used in and construed under Rule 405 under the Securities Act.

"Board of Directors" means the board of directors of the Company.

"Business Day" means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to "stay at home", "shelter-in-place", "non-essential employee" or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York generally are open for use by customers on such day.

"Closing" means the closing of the purchase and sale of the Securities pursuant to Section 2.1.

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"<u>Closing Date</u>" means the Trading Day on which all of the Transaction Documents have been executed and delivered by the applicable parties thereto, and all conditions precedent to (i) the Purchasers' obligations to pay the Subscription Amount and (ii) the Company's obligations to deliver the Securities, in each case, have been satisfied or waived, but in no event later than the second ( $2^{nd}$ ) Trading Day following the date hereof.

"Commission" means the United States Securities and Exchange Commission.

"Common Stock" means the common stock of the Company, par value \$0.0001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

"<u>Common Stock Equivalents</u>" means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock.

"Company Counsel" means Haynes and Boone, LLP with offices located at 30 Rockefeller Plaza, 26th Floor, New York, New York 10012.

"Disclosure Time" means, (i) if this Agreement is signed on a day that is not a Trading Day or after 9:00 a.m. (New York City time) and before midnight (New York City time) on any Trading Day, 9:01 a.m. (New York City time) on the Trading Day immediately following the date hereof, unless otherwise instructed as to an earlier time by the Placement Agent, and (ii) if this Agreement is signed between midnight (New York City time) and 9:00 a.m. (New York City time) on any Trading Day, no later than 9:01 a.m. (New York City time) on the date hereof, unless otherwise instructed as to an earlier time by the Placement Agent.

"Disqualification Event" shall have the meaning ascribed to such term in Section 3.1(00).

"Evaluation Date" shall have the meaning ascribed to such term in Section 3.1(s).

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"FCPA" means the Foreign Corrupt Practices Act of 1977, as amended.

"GAAP" shall have the meaning ascribed to such term in Section 3.1(h).

"Intellectual Property Rights" shall have the meaning ascribed to such term in Section 3.1(p).

"Issuer Covered Person" shall have the meaning ascribed to such term in Section 3.1(00).

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"Legend Removal Date" shall have the meaning ascribed to such term in Section 4.1(d).

"Liens" means a lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.

"Material Adverse Effect" shall have the meaning assigned to such term in Section 3.1(b).

"Material Permits" shall have the meaning ascribed to such term in Section 3.1(n).

"Per Share Purchase Price" equals \$4.25, subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Common Stock that occur after the date of this Agreement.

"Person" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Placement Agent" means Dawson James Securities, Inc.

"Proceeding" means an action, claim, suit, investigation or proceeding (including, without limitation, an informal investigation or partial proceeding, such as a deposition), whether commenced or threatened.

"Prospectus" means the final prospectus filed for the Registration Statement.

"Prospectus Supplement" means the supplement to the Prospectus complying with Rule 424(b) of the Securities Act that is filed with the Commission and delivered by the Company to each Purchaser at the Closing.

"Purchaser Party" shall have the meaning ascribed to such term in Section 4.8.

"Registration Statement" means the effective registration statement with Commission (File No. 333-254698), including all information, documents and exhibits filed with or incorporated by reference into such registration statement, which registers the sale of the Shares to the Purchasers.

"Required Approvals" shall have the meaning ascribed to such term in Section 3.1(e).

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"Rule 424" means Rule 424 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"SEC Reports" shall have the meaning ascribed to such term in Section 3.1(h).

"Securities" means the Shares, the Warrants and the Warrant Shares.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Shares" means the shares of Common Stock issued or issuable to each Purchaser pursuant to this Agreement but excluding the Warrant Shares.

"Short Sales" means all "short sales" as defined in Rule 200 of Regulation SHO under the Exchange Act (but shall not be deemed to include locating and/or borrowing shares of Common Stock).

"Subscription Amount" means, as to each Purchaser, the aggregate amount to be paid for Shares and Warrants purchased hereunder as specified below such Purchaser's name on the signature page of this Agreement and next to the heading "Subscription Amount," in United States dollars and in immediately available funds.

"Subsidiary" means any subsidiary of the Company as set forth in the SEC Reports, and shall, where applicable, also include any direct or indirect subsidiary of the Company formed or acquired after the date hereof.

"Trading Day" means a day on which the principal Trading Market is open for trading.

"Trading Market" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, the New York Stock Exchange, OTCQB or OTCQX (or any successors to any of the foregoing).

"Transaction Documents" means this Agreement, the Warrants, all exhibits and schedules thereto and hereto and any other documents or agreements executed in connection with the transactions contemplated hereunder.

"Transfer Agent" means Action Stock Transfer Corporation, the current transfer agent of the Company, with a mailing address of 2469 E. Fort Union Blvd., Suite 214, Salt Lake City, UT 84121; Tel: 801-274-1088, and any successor transfer agent of the Company.

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"<u>VWAP</u>" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported in the "Pink Sheets" published by OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Purchasers of a majority in interest of the Securities then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

"<u>Warrants</u>" means, collectively, the Common Stock purchase warrants delivered to the Purchasers at the Closing in accordance with Section 2.2(a) hereof, which Warrants shall be exercisable six months following the date of issuance and expire on the 5th anniversary of the date of issuance, in the form of <u>Exhibit A</u> attached hereto.

"Warrant Shares" means the shares of Common Stock issuable upon exercise of the Warrants.

#### ARTICLE II. PURCHASE AND SALE

2.1 <u>Closing</u>. On the Closing Date, upon the terms and subject to the conditions set forth herein, substantially concurrent with the execution and delivery of this Agreement by the parties hereto, the Company agrees to sell, and the Purchasers, severally and not jointly, agree to purchase, up to an aggregate of \$5,999,997.00 of Shares and Warrants. Each Purchaser's Subscription Amount as set forth on the signature page hereto executed by such Purchaser shall be either made available for "Delivery Versus Payment" ("DVP") settlement with the Company or its designees or shall be delivered to the Company or its designees, via wire transfer, immediately available funds. The Company shall deliver to each Purchaser its respective Shares and Warrants as determined pursuant to Section 2.2(a), and the Company and each Purchaser shall deliver the offices of the Company or such other location as the parties shall multipagree.

2.2 Deliveries.

(a) On or prior to the Closing Date, the Company shall deliver or cause to be delivered to each Purchaser the following:

(i) this Agreement duly executed by the Company;

(ii) a legal opinion of Company Counsel, directed to the Placement Agent and the Purchasers, in a form reasonably acceptable to the Placement Agent and Purchasers;

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(iii) the Company's wire instructions, on Company letterhead and executed by the President or Chief Financial Officer;

(iv) a copy of the irrevocable instructions to the Transfer Agent instructing the Transfer Agent to deliver on an expedited basis via The Depository Trust Company Deposit or Withdrawal at Custodian system ("<u>DWAC</u>") Shares equal to such Purchaser's Subscription Amount divided by the Per Share Purchase Price, registered in the name of such Purchaser;

(v) a Warrant registered in the name of such Purchaser to purchase up to a number of shares of Common Stock equal to 100% of such Purchaser's Shares, with an exercise price equal to \$5.25, subject to adjustment therein; and

(vi) the Prospectus and Prospectus Supplement (which may be delivered in accordance with Rule 172 under the Securities Act).

(b) On or prior to the Closing Date, each Purchaser shall deliver or cause to be delivered to the Company, the following:

(i) this Agreement duly executed by such Purchaser; and

(ii) such Purchaser's Subscription Amount, which shall be made available either for DVP settlement with the Company or its designee or delivered to the Company or its designees, via wire transfer, immediately available funds.

# 2.3 Closing Conditions.

(a) The obligations of the Company hereunder in connection with the Closing are subject to the following conditions being met:

(i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) when made and on the Closing Date of the representations and warranties of the Purchasers contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);

(ii) all obligations, covenants and agreements of each Purchaser required to be performed at or prior to the Closing Date shall have been performed in all material respects; and

(iii) the delivery by each Purchaser of the items set forth in Section 2.2(b) of this Agreement.

(b) The respective obligations of the Purchasers hereunder in connection with the Closing are subject to the following conditions being met:

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(i) the accuracy in all material respects (or, to the extent representations or warranties are qualified by materiality or Material Adverse Effect, in all respects) when made and on the Closing Date of the representations and warranties of the Company contained herein (unless as of a specific date therein in which case they shall be accurate as of such date);

(ii) all obligations, covenants and agreements of the Company required to be performed at or prior to the Closing Date shall have been performed in all material respects;

(iii) the delivery by the Company of the items set forth in Section 2.2(a) of this Agreement;

(iv) there shall have been no Material Adverse Effect with respect to the Company since the date hereof; and

(v) from the date hereof to the Closing Date, trading in the Common Stock shall not have been suspended by the Commission or the Company's principal Trading Market, and, at any time prior to the Closing Date, trading in securities generally as reported by Bloomberg L.P. shall not have been suspended or limited, or minimum prices shall not have been established on securities whose trades are reported by such service, or on any Trading Market, nor shall a banking moratorium have been declared either by the United States or New York State authorities nor shall there have occurred any material outbreak or escalation of hostilities or other national or international calamity of such magnitude in its effect on, or any material adverse change in, any financial market which, in each case, in the reasonable judgment of such Purchaser, makes it impracticable or inadvisable to purchase the Securities at the Closing.

# ARTICLE III.

# REPRESENTATIONS AND WARRANTIES

3.1 <u>Representations and Warranties of the Company</u>. Except as set forth in the SEC Reports, the Company hereby makes the following representations and warranties to each Purchaser:

(a) <u>Subsidiaries</u>. All of the direct and indirect subsidiaries of the Company are set forth in the SEC Reports. The Company owns, directly or indirectly, all of the capital stock or other equity interests of each Subsidiary, and all of the issued and outstanding shares of capital stock of each Subsidiary are validly issued and are fully paid, non-assessable and free of preemptive and similar rights to subscribe for or purchase securities. If the Company has no subsidiaries, all other references to the Subsidiaries or any of them in the Transaction Documents shall be disregarded.

(b) <u>Organization and Qualification</u>. The Company and each of the Subsidiaries is an entity duly incorporated or otherwise organized, validly existing and in good standing under the laws of the jurisdiction of its incorporation or organization, with the requisite power and authority to own and use its properties and assets and to carry on its business as currently conducted. Neither the Company nor any Subsidiary is in violation nor default of any of the provisions of its respective certificate or articles of incorporation, bylaws or other organizational or charter documents. Each of the Company and the Subsidiaries is duly qualified to conduct business and is in good standing as a foreign corporation or other entity in each jurisdiction in which the nature of the business conducted or property owned by it makes such qualification necessary, except where the failure to be so qualified or in good standing, as the case may be, could not have or reasonably be expected to result in: (i) a material adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material adverse effect on the company's ability to perform in any material respect on a timely basis its obligations under any Transaction Document (any of (i), (ii) or (iii), a "<u>Material Adverse Effect</u>") and no Proceeding has been instituted in any such jurisdiction revoking, limiting or curtailing or seeking to revoke, limit or curtail such power and authority or qualification.

(c) <u>Authorization; Enforcement</u>. The Company has the requisite corporate power and authority to enter into and to consummate the transactions contemplated by this Agreement and each of the other Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement and each of the other Transaction Documents by the Company and the consummation by it of the transactions contemplated hereby and thereby have been duly authorized by all necessary action on the part of the Company and no further action is required by the Company, the Board of Directors or the Company's stockholders in connection herewith or therewith other than in connection with the Required Approvals. This Agreement and each other Transaction Document to which it is a party has been (or upon delivery will have been) duly executed by the Company and, when delivered in accordance with the terms hereof and thereof, will constitute the valid and binding obligation of the Company enforceable against the Company in accordance with its terms, except (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(d) No Conflicts. The execution, delivery and performance by the Company of this Agreement and the other Transaction Documents to which it is a party, the issuance and sale of the Securities and the consummation by it of the transactions contemplated hereby and thereby do not and will not (i) conflict with or violate any provision of the Company's or any Subsidiary's certificate or articles of incorporation, bylaws or other organizational or charter documents, or (ii) conflict with, or constitute a default (or an event that with notice or lapse of time or both would become a default) under, result in the creation of any Lien upon any of the properties or assets of the Company or any Subsidiary, or give to others any rights of termination, amendment, anti-dilution or similar adjustments (except as set forth in the SEC Reports), acceleration or cancellation (with or without notice, lapse of time or both) of, any agreement, credit facility, debt or other instrument (evidencing a Company or Subsidiary debt or otherwise) or other understanding to which the Company or any Subsidiary is a party or by which any property or asset of the Company or any Subsidiary is bound or affected, or (iii) subject to the Required Approvals, conflict with or result in a violation of any law, rule, regulation, order, judgment, injunction, decree or other restriction of any court or governmental authority to which the Company or a Subsidiary is subject (including federal and state securities laws and regulations), or by which any property or asset of the Company or a Subsidiary is bound or affected; except in the case of each of clauses (ii) and (iii), such as could not have or reasonably be expected to result in a Material Adverse Effect.

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(e) Filings, Consents and Approvals. The Company is not required to obtain any consent, waiver, authorization or order of, give any notice to, or make any filing or registration with, any court or other federal, state, local or other governmental authority or other Person in connection with the execution, delivery and performance by the Company of the Transaction Documents, other than: (i) the filings required pursuant to Section 4.4 of this Agreement, (ii) the filing with the Commission of the Prospectus Supplement, (iii) application(s) to each applicable Trading Market for the listing of the Shares and Warrant Shares for trading thereon in the time and manner required thereby, and (iv) the filing of a Form D with the Commission and such filings as are required to be made under applicable state securities laws (collectively, the "Required Approvals").

(f) Issuance of the Securities; Registration. The Securities are duly authorized and, when issued and paid for in accordance with the applicable Transaction Documents, will be duly and validly issued, fully paid and nonassessable, free and clear of all Liens imposed by the Company. The Warrant Shares, when issued in accordance with the terms of the Warrants, will be validly issued, fully paid and nonassessable, free and clear of all Liens imposed by the Company. The Company has reserved from its duly authorized capital stock the maximum number of shares of Common Stock issuable pursuant to this Agreement and the Warrants. The Company has prepared and filed the Registration Statement in conformity with the requirements of the Securities Act, which became effective on May 11, 2021 (the "Effective Date"), including the Prospectus, and such amendments and supplements thereto as may have been required to the date of this Agreement. The Registration Statement is effective under the Securities Act and no stop order preventing or suspending the effectiveness of the Registration Statement or suspending or preventing the use of the Prospectus has been issued by the Commission and no proceedings for that purpose have been instituted or, to the knowledge of the Company, are threatened by the Commission. The Company, if required by the rules and regulations of the Commission, shall file the Prospectus Supplement with the Commission pursuant to Rule 424(b). At the time the Registration Statement and any amendments thereto became effective, at the date of this Agreement and at the Closing Date, the Registration Statement and any amendments thereto conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein not misleading; and the Prospectus and any amendments or supplements thereto, at the time the Prospectus or any amendment or supplement thereto was issued and at the Closing Date, conformed and will conform in all material respects to the requirements of the Securities Act and did not and will not contain an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Company was at the time of the filing of the Registration Statement eligible to use Form S-3. The Company is eligible to use Form S-3 under the Securities Act and it meets the transaction requirements as set forth in General Instruction I.B.1 of Form S-3.

(g) <u>Capitalization</u>. The capitalization of the Company as of the date hereof is as set forth in the SEC Reports. Except as set forth in the SEC Reports, the Company has not issued any capital stock since its most recently filed periodic or current report under the Exchange Act, other than pursuant to the exercise of employee stock options under the Company's stock option plans, the issuance of shares of Common Stock pursuant to the Company's equity incentive plans and pursuant to the conversion and/or exercise of Common Stock Equivalents outstanding as of the date of the most recently filed periodic or current report under the Exchange Act. No Person has any right of first refusal, preemptive right, right of participation, or any similar right to participate in the transactions contemplated by the Transaction Documents. There are no outstanding options, warrants, scrip rights to subscribe to, calls or commitments of any character whatsoever relating to, or securities, rights or obligations convertible into or exerciseable or exchangeable for, or giving any Person any right to subscribe for or acquire, any shares of Common Stock or the capital stock of any Subsidiary, or contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to issue additional shares of Common Stock or Common Stock Equivalents or capital stock of any Subsidiary. The issuance and sale of the Securities will not obligate the

Company or any Subsidiary to issue shares of Common Stock or other securities to any Person (other than the Purchasers). Except as set forth in the SEC Reports, there are no outstanding securities or instruments of the Company or any Subsidiary with any provision that adjusts the exercise, conversion, exchange or reset price of such security or instrument upon an issuance of securities by the Company or any Subsidiary. There are no outstanding securities or instruments of the Company or any Subsidiary that contain any redemption or similar provisions, and there are no contracts, commitments, understandings or arrangements by which the Company or any Subsidiary is or may become bound to redeem a security of the Company or such Subsidiary. The Company does not have any stock appreciation rights or "phantom stock" plans or agreements or any similar plan or agreement. All of the outstanding shares of capital stock of the Company are duly authorized, validly issued, fully paid and nonassessable, have been issued in compliance with all federal and state securities laws, and none of such outstanding shares was issued in violation of any preemptive rights or similar rights to subscribe for or purchase securities. No further approval or authorization of any stockholder, the Board of Directors or others is required for the issuance and sale of the Securities. There are no stockholders agreements, voting agreements or other similar agreements with respect to the Company's capital stock to which the Company is a party or, to the knowledge of the Company, between or among any of the Company's stockholders.

(h) <u>SEC Reports</u>; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the Securities Act and the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the two (2) years preceding the date hereof (or such shorter period as the Company was required by law or regulation to file such material) (the foregoing materials, including the exhibits thereto and documents incorporated by reference therein, together with the Prospectus and the Prospectus Supplement, being collectively referred to herein as the "<u>SEC Reports</u>") on a timely basis or has received a valid extension of such time of filing and has filed any such SEC Reports prior to the expiration of any such extension. As of their respective dates, the SEC Reports complied in all material respects with the requirements of the Securities Act and the Exchange Act, as applicable, and none of the SEC Reports, when filed, contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading. The Company has never been an issuer subject to Rule 144(i) under the Securities Act. The financial statements of the Company included in the SEC Reports comply in all material respects with applicable accounting requirements and the rules and regulations of the Commission with respect thereto as in effect at the time of filing. Such financial statements have been prepared in accordance with United States generally accepted accounting principles applied on a consistent basis during the periods involved ("<u>GAAP</u>"), except as may be otherwise specified in such financial statements or the notes thereto and except that unaudited financial statements may not contain all footnotes required by GAAP, and fairly present in all material respects the financial position of the Company and its consolidated

(i) <u>Material Changes</u>; <u>Undisclosed Events</u>, <u>Liabilities or Developments</u>. Since the date of the latest audited financial statements included within the SEC Reports, except as set forth in the SEC Reports, (i) there has been no event, occurrence or development that has had or that could reasonably be expected to result in a Material Adverse Effect, (ii) the Company has not incurred any liabilities (contingent or otherwise) other than (A) trade payables and accrued expenses incurred in the ordinary course of business consistent with past practice and (B) liabilities not required to be reflected in the Company's financial statements pursuant to GAAP or disclosed in filings made with the Commission, (iii) the Company has not altered its method of accounting, (iv) the Company has not declared or made any dividend or distribution of cash or other property to its stockholders or purchased, redeemed or made any agreements to purchase or redeem any shares of its capital stock and (v) the Company has not issued any equity securities to any officer, director or Affiliate, except pursuant to existing Company stock option plans. Except for the issuance of the Securities contemplated by this Agreement or as set forth in the SEC Reports and/or the Prospectus Supplement, no event, liability, fact, circumstance, occurrence or development has occurred or exists or is reasonably expected to occur or exist with respect to the Company under applicable securities laws at the time this representation is made.

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(j) <u>Litigation</u>. Except as set forth in the SEC Reports, there is no action, suit, inquiry, notice of violation, proceeding or investigation pending or, to the knowledge of the Company, threatened against or affecting the Company, any Subsidiary or any of their respective properties before or by any court, arbitrator, governmental or administrative agency or regulatory authority (federal, state, county, local or foreign) (collectively, an "<u>Action</u>") that could reasonably be expected to result in a Material Adverse Effect. None of the Actions set forth in the SEC Reports, (i) adversely affects or challenges the legality, validity or enforceability of any of the Transaction Documents or the Securities or (ii) could, if there were an unfavorable decision, have or reasonably be expected to result in a Material Adverse Effect. Neither the Company nor any Subsidiary, nor any director or officer thereof, is or has been the subject of any Action involving a claim of violation of or liability under federal or state securities laws or a claim of breach of fiduciary duty, except, in each case, as would not reasonably be expected to result in a Material Adverse Effect. There has not been, and to the knowledge of the Company, there is not pending or contemplated, any investigation by the Commission involving the Company or any current or officer of the Company. The Commission has not issued any stop order or other order suspending the effectiveness of any registration statement filed by the Company or any Subsidiary under the Exchange Act or the Securities Act.

(k) <u>Labor Relations</u>. No labor dispute exists or, to the knowledge of the Company, is imminent with respect to any of the employees of the Company, which could reasonably be expected to result in a Material Adverse Effect. None of the Company's or its Subsidiaries' employees is a member of a union that relates to such employee's relationship with the Company or such Subsidiary, and neither the Company nor any of its Subsidiaries is a party to a collective bargaining agreement, and the Company and its Subsidiaries believe that their relationships with their employees are good. To the knowledge of the Company, no executive officer of the Company or any Subsidiary, is, or is now expected to be, in violation of any material term of any employment contract, confidentiality, disclosure or proprietary information agreement, or any other contract or agreement or any restrictive covenant in favor of any third party, and the continued employment of each such executive officer does not subject the Company or its Subsidiaries to any liability with respect to any of the foregoing matters. The Company and its Subsidiaries are in compliance with all U.S. federal, state, local and foreign laws and regulations relating to employment and employment practices, terms and conditions of employment and wages and hours, except where the failure to be in compliance could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

(1) <u>Compliance</u>. Neither the Company nor any Subsidiary: (i) is in default under or in violation of (and no event has occurred that has not been waived that, with notice or lapse of time or both, would result in a default by the Company or any Subsidiary under), nor has the Company or any Subsidiary received notice of a claim that it is in default under or that it is in violation of, any indenture, loan or credit agreement or any other agreement or instrument to which it is a party or by which it or any of its properties is bound (whether or not such default or violation has been waived), (ii) is in violation of any judgment, decree or order of any court, arbitrator or other governmental authority or (iii) is or has been in violation of any statute, rule, ordinance or regulation of any governmental authority, including without limitation all foreign, federal, state and local laws relating to taxes, environmental protection, occupational health and safety, product quality and safety and employment and labor matters, except in each case as could not have or reasonably be expected to result in a Material Adverse Effect.

(m) Environmental Laws. The Company and its Subsidiaries (i) are in compliance with all federal, state, local and foreign laws relating to pollution or protection of human health or the environment (including ambient air, surface water, groundwater, land surface or subsurface strata), including laws relating to emissions, discharges, releases or threatened releases of chemicals, pollutants, contaminants, or toxic or hazardous substances or wastes (collectively, "<u>Hazardous Materials</u>") into the environment, or otherwise relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials, as well as all authorizations, codes, decrees, demands, or demand letters, injunctions, judgments, licenses, notices or notice letters, orders, permits, plans or regulations, issued, entered, promulgated or approved thereunder ("Environmental Laws"); (ii) have received all permits licenses or other approvals required of them

under applicable Environmental Laws to conduct their respective businesses; and (iii) are in compliance with all terms and conditions of any such permit, license or approval where in each clause (i), (ii) and (iii), the failure to so comply could be reasonably expected to have, individually or in the aggregate, a Material Adverse Effect.

(n) <u>Regulatory Permits</u>. The Company and the Subsidiaries possess all certificates, authorizations and permits issued by the appropriate federal, state, local or foreign regulatory authorities necessary to conduct their respective businesses as described in the SEC Reports, except where the failure to possess such permits could not reasonably be expected to result in a Material Adverse Effect ("<u>Material Permits</u>"), and neither the Company nor any Subsidiary has received any notice of proceedings relating to the revocation or modification of any Material Permit.

(o) <u>Title to Assets</u>. The Company and the Subsidiaries have good and marketable title in fee simple to all real property owned by them and good and marketable title in all personal property owned by them that is material to the business of the Company and the Subsidiaries, in each case free and clear of all Liens, except for (i) Liens as do not materially affect the value of such property and do not materially interfere with the use made and proposed to be made of such property by the Company and the Subsidiaries and (ii) Liens for the payment of federal, state or other taxes, for which appropriate reserves have been made therefor in accordance with GAAP and, the payment of which is neither delinquent nor subject to penalties. Any real property and facilities held under lease by the Company and the Subsidiaries are held by them under valid, subsisting and enforceable leases with which the Company and the Subsidiaries are in compliance.

(p) Intellectual Property. The Company and the Subsidiaries have, or have rights to use, all patents, patent applications, trademarks, trademark applications, service marks, trade names, trade secrets, inventions, copyrights, licenses and other intellectual property rights and similar rights necessary or required for use in connection with their respective businesses as described in the SEC Reports and which the failure to so have could have a Material Adverse Effect (collectively, the "Intellectual Property Rights"). None of, and neither the Company nor any Subsidiary has received a notice (written or otherwise) that any of, the Intellectual Property Rights has expired, terminated or been abandoned, or is expected to expire or terminate or be abandoned, within two (2) years from the date of this Agreement. Neither the Company nor any Subsidiary has received a notice (written or otherwise) that any of, the Intellectual Property Rights has expired, terminated or been abandoned, or is expected to expire or terminate or be abandoned, within two (2) years from the date of this Agreement. Neither the Company nor any Subsidiary has received, since the date of the latest audited financial statements included within the SEC Reports, a written notice of a claim or otherwise has any knowledge that the Intellectual Property Rights violate or infringe upon the rights of any Person, except as could not have or reasonably be expected to not have a Material Adverse Effect. To the knowledge of the Company and its Subsidiaries have taken reasonable security measures to protect the secrecy, confidentiality and value of all of their intellectual properties, except where failure to do so could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.

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(q) Insurance. The Company and the Subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are prudent and customary in the businesses in which the Company and the Subsidiaries are engaged, including, but not limited to, directors and officers insurance coverage at least equal to the aggregate Subscription Amount. Neither the Company nor any Subsidiary has any reason to believe that it will not be able to renew its existing insurance coverage as and when such coverage expires or to obtain similar coverage from similar insurers as may be necessary to continue its business without a significant increase in cost.

(r) <u>Transactions With Affiliates and Employees</u>. Except as set forth in the SEC Reports, none of the officers or directors of the Company or any Subsidiary and, to the knowledge of the Company, none of the employees of the Company or any Subsidiary is presently a party to any transaction with the Company or any Subsidiary (other than for services as employees, officers and directors), including any contract, agreement or other arrangement providing for the furnishing of services to or by, providing for rental of real or personal property to or from, providing for the borrowing of money from or lending of money to or otherwise requiring payments to or from any officer, director or such employee or, to the knowledge of the Company, any entity in which any officer, director, or any such employee has a substantial interest or is an officer, director, trustee, stockholder, member or partner, in each case in excess of \$120,000 other than for (i) payment of salary or consulting fees for services rendered, (ii) reimbursement for expenses incurred on behalf of the Company and (iii) other employee benefits, including stock option agreements under any stock option plan of the Company.

(s) <u>Sarbanes–Oxley: Internal Accounting Controls</u>. The Company and the Subsidiaries are in compliance with any and all applicable requirements of the Sarbanes–Oxley Act of 2002 that are effective as of the date hereof and as of the Closing Date, and any and all applicable rules and regulations promulgated by the Commission thereunder that are effective as of the date hereof and as of the Closing Date. The Company and the Subsidiaries maintain a system of internal accounting controls sufficient to provide reasonable assurance that: (i) transactions are executed in accordance with management's general or specific authorizations, (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability, (iii) access to assets is permitted only in accordance with management's general or specific authorization, and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. The Company and the Subsidiaries have established disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the Company and the Subsidiaries and designed such disclosure controls and procedures to ensure that the time periods specified in the Commission's rules and forms. The Company's certifying officers have evaluated the effectiveness of the disclosure controls and procedures of the Company and the Subsidiaries as of the end of the periodic report under the Exchange Act the conclusions of the disclosure controls and procedures of the company and the Subsidiaries have established the effectiveness of the disclosure controls and procedures of the company and the Subsidiaries as of the end of the period covered by the most recently filed periodic report under the Exchange Act (such date, the "Evaluation Date"). The Company presented in its most recently filed periodic report under the Exchange Act the conclusions of the ce

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(t) <u>Certain Fees</u>. Except as set forth in the Prospectus Supplement, no brokerage or finder's fees or commissions are or will be payable by the Company or any Subsidiary to any broker, financial advisor or consultant, finder, placement agent, investment banker, bank or other Person with respect to the transactions contemplated by the Transaction Documents. The Purchasers shall have no obligation with respect to any fees or with respect to any claims made by or on behalf of other Persons for fees of a type contemplated in this Section that may be due in connection with the transactions contemplated by the Transaction Documents.

(u) <u>Investment Company</u>. The Company is not, and is not an Affiliate of, and immediately after receipt of payment for the Securities, will not be or be an Affiliate of, an "investment company" within the meaning of the Investment Company Act of 1940, as amended. The Company shall conduct its business in a manner so that it will not become an "investment company" subject to registration under the Investment Company Act of 1940, as amended.

(v) <u>Registration Rights</u>. Except as set forth in the SEC Reports, no Person has any right to cause the Company or any Subsidiary to effect the registration under the Securities Act of any securities of the Company or any Subsidiary.

(w) Listing and Maintenance Requirements. The Common Stock is registered pursuant to Section 12(b) or 12(g) of the Exchange Act, and the Company has taken no action designed to, or which to its knowledge is likely to have the effect of, terminating the registration of the Common Stock under the Exchange Act nor has the Company received any notification that the Commission is contemplating terminating such registration. Except as set forth in the SEC Reports, the Company has not, in the 12 months preceding the date hereof, received notice from any Trading Market on which the Common Stock is or has been listed or quoted to the effect that the Company is not in compliance with the listing or maintenance requirements of such Trading Market. The Company is, and has no reason to believe that it will not in the foreseeable future continue to be, in compliance with all such listing and maintenance requirements. The Common Stock is currently eligible for electronic transfer through the Depository Trust Company or another established clearing corporation and the Company is current in payment of the fees to the Depository Trust Company (or such other established clearing corporation) in connection with such electronic transfer.

(x) <u>Application of Takeover Protections</u>. The Company and the Board of Directors have taken all necessary action, if any, in order to render inapplicable any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or other similar anti-takeover provision under the Company's certificate of incorporation (or similar charter documents) or the laws of its state of incorporation that is or could become applicable to the Purchasers as a result of the Purchasers and the Company fulfilling their obligations or exercising their rights under the Transaction Documents, including without limitation as a result of the Company's issuance of the Securities and the Purchasers' ownership of the Securities.

(y) <u>Disclosure</u>. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, the Company confirms that neither it nor any other Person acting on its behalf has provided any of the Purchasers or their agents or counsel with any information that it believes constitutes or might constitute material, non-public information which is not otherwise disclosed in the Prospectus Supplement. The Company understands and confirms that the Purchasers will rely on the foregoing representation in effecting transactions in securities of the Company. All of the disclosure furnished by or on behalf of the Company to the Purchasers regarding the Company and its Subsidiaries, their respective businesses and the transactions contemplated hereby is true and correct and does not contain any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements made therein, in the light of the circumstances under which they were made and when made, not misleading. The Company and are transactions to state and when made, not misleading. The Company and are purchaser makes or has made any representations or warranties with respect to the transactions contemplated hereby of the statements and are purchaser makes or has made any representations or warranties with respect to the transactions contemplated hereby of the second 3.2 hereof.

(z) <u>No Integrated Offering</u>. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, neither the Company, nor any of its Affiliates, nor any Person acting on its or their behalf has, directly or indirectly, made any offers or sales of any security or solicited any offers to buy any security, under circumstances that would cause this offering of the Securities to be integrated with prior offerings by the Company for purposes of (i) the Securities Act which would require the registration of the Warrants or Warrant Shares under the Securities Act, or (ii) any applicable shareholder approval provisions of any Trading Market on which any of the securities of the Company are listed or designated.

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(aa) Solvency. Based on the consolidated financial condition of the Company as of the Closing Date, after giving effect to the receipt by the Company of the proceeds from the sale of the Securities hereunder, (i) the fair saleable value of the Company's assets exceeds the amount that will be required to be paid on or in respect of the Company's existing debts and other liabilities (including known contingent liabilities) as they mature, (ii) the Company's assets do not constitute unreasonably small capital to carry on its business as now conducted and as proposed to be conducted including its capital needs taking into account the particular capital requirements of the business conducted by the Company, consolidated and projected capital requirements and capital availability thereof, and (iii) the current cash flow of the Company, together with the proceeds the Company would receive, were it to liquidate all of its assets, after taking into account all anticipated uses of the cash, would be sufficient to pay all amounts on or in respect of its liabilities when such amounts are required to be paid. The Company does not intend to incur debts beyond its ability to pay such debts as they mature (taking into account the timing and amounts of cash to be payable on or in respect of its debt). The Company has no knowledge of any facts or circumstances which lead it to believe that it will file for reorganization or liquidation under the bankruptcy or reorganization laws of any jurisdiction within one year from the Closing Date. The SEC Reports set forth as of the date hereof all outstanding secured and unsecured Indebtedness of the Company or any Subsidiary, or for which the Company or any Subsidiary has commitments. For the purposes of this Agreement, "Indebtedness" means (x) any liabilities for borrowed money or amounts owed in excess of \$100,000 (other than trade accounts payable incurred in the ordinary course of business), (y) all guaranties, endorsements and other contingent obligations in respect of indebtedness of others, whether or not the same are or should be reflected in the Company's consolidated balance sheet (or the notes thereto), except guaranties by endorsement of negotiable instruments for deposit or collection or similar transactions in the ordinary course of business; and (z) the present value of any lease payments in excess of \$50,000 due under leases required to be capitalized in accordance with GAAP. Neither the Company nor any Subsidiary is in default with respect to any Indebtedness.

(bb) <u>Tax Status</u>. Except for matters that would not, individually or in the aggregate, have or reasonably be expected to result in a Material Adverse Effect, the Company and its Subsidiaries each (i) has made or filed all United States federal, state and local income and all foreign income and franchise tax returns, reports and declarations required by any jurisdiction to which it is subject, (ii) has paid all taxes and other governmental assessments and charges that are material in amount, shown or determined to be due on such returns, reports and declarations and (iii) has set aside on its books provision reasonably adequate for the payment of all material taxes for periods subsequent to the periods to which such returns, reports or declarations apply. There are no unpaid taxes in any material amount claimed to be due by the taxing authority of any jurisdiction, and the officers of the Company or of any Subsidiary know of no basis for any such claim.

(cc) Foreign Corrupt Practices. Neither the Company nor any Subsidiary, nor to the knowledge of the Company or any Subsidiary, any agent or other person acting on behalf of the Company or any Subsidiary, has (i) directly or indirectly, used any funds for unlawful contributions, gifts, entertainment or other unlawful expenses related to foreign or domestic political activity, (ii) made any unlawful payment to foreign or domestic government officials or employees or to any foreign or domestic political parties or campaigns from corporate funds, (iii) failed to disclose fully any contribution made by the Company or any Subsidiary (or made by any person acting on its behalf of which the Company is aware) which is in violation of law, or (iv) violated in any material respect any provision of FCPA.

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(dd) Accountants. The Company's accounting firm is set forth in the SEC Reports. To the knowledge and belief of the Company, such accounting firm (i) is a registered public accounting firm as required by the Exchange Act and (ii) shall express its opinion with respect to the financial statements to be included in the Company's Annual Report for the fiscal year ending December 31, 2021.

(ee) <u>Acknowledgment Regarding Purchasers' Purchase of Securities</u>. The Company acknowledges and agrees that each of the Purchasers is acting solely in the capacity of an arm's length purchaser with respect to the Transaction Documents and the transactions contemplated thereby. The Company further acknowledges that no Purchaser is acting as a financial advisor or fiduciary of the Company (or in any similar capacity) with respect to the Transaction Documents and the transactions contemplated thereby and any advice given by any Purchaser or any of their respective representatives or agents in connection with the Transaction Documents and the transactions contemplated thereby is merely incidental to the Purchasers' purchase of the Securities. The Company further represents to each Purchaser that the Company's decision to enter into this Agreement and the other Transaction Documents has been based solely on the independent evaluation of the transactions contemplated hereby by the Company and its representatives.

(ff) Acknowledgment Regarding Purchaser's Trading Activity. Anything in this Agreement or elsewhere herein to the contrary notwithstanding (except for Sections 3.2(f) and 4.12 hereof), it is understood and acknowledged by the Company that: (i) none of the Purchasers has been asked by the Company to agree, nor has any Purchaser agreed, to desist from purchasing or selling, long and/or short, securities of the Company, or "derivative" securities based on securities issued by the Company or to hold the Securities for any specified term; (ii) past or future open market or other transactions by any Purchaser, specifically including, without limitation, Short Sales or "derivative" transactions, before or after the closing of this or future private placement transactions, may negatively impact the market price of the Company's publicly-traded securities; (iii) any Purchaser, and counter-parties in "derivative" transactions to which any such Purchaser is a party, directly or indirectly, presently may have a "short" position in the Common Stock, and (iv) each Purchaser shall not be deemed to have any affiliation with or control over any arm's length counter-party in any "derivative" transaction. The Company further understands and acknowledges that (y) one or more Purchasers may engage in hedging activities at

various times during the period that the Securities are outstanding, including, without limitation, during the periods that the value of the Shares and Warrant Shares deliverable with respect to Securities are being determined, and (z) such hedging activities (if any) could reduce the value of the existing stockholders' equity interests in the Company at and after the time that the hedging activities are being conducted. The Company acknowledges that such aforementioned hedging activities do not constitute a breach of any of the Transaction Documents.

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(gg) Regulation M Compliance. The Company has not, and to its knowledge no one acting on its behalf has, (i) taken, directly or indirectly, any action designed to cause or to result in the stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of any of the Securities, (ii) sold, bid for, purchased, or, paid any compensation for soliciting purchases of, any of the Securities, or (iii) paid or agreed to pay to any Person any compensation for soliciting another to purchase any other securities of the Company, other than, in the case of clauses (ii) and (iii), compensation paid to the Placement Agent in connection with the placement of the Securities.

(hh) Stock Option Plans. Each stock option granted by the Company under the Company's stock option plan was granted (i) in accordance with the terms of the Company's stock option plan and (ii) with an exercise price at least equal to the fair market value of the Common Stock on the date such stock option would be considered granted under GAAP and applicable law. No stock option granted under the Company's stock option plan has been backdated. The Company has not knowingly granted, and there is no and has been no Company policy or practice to knowingly grant, stock options prior to, or otherwise knowingly coordinate the grant of stock options with, the release or other public announcement of material information regarding the Company or its Subsidiaries or their financial results or prospects.

(ii) Office of Foreign Assets Control. Neither the Company nor any Subsidiary nor, to the Company's knowledge, any director, officer, agent, employee or affiliate of the Company or any Subsidiary is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Treasury Department ("OFAC").

(jj) U.S. Real Property Holding Corporation. The Company is not and has never been a U.S. real property holding corporation within the meaning of Section 897 of the Internal Revenue Code of 1986, as amended, and the Company shall so certify upon Purchaser's request.

(kk) <u>Bank Holding Company Act</u>. Neither the Company nor any of its Subsidiaries or Affiliates is subject to the Bank Holding Company Act of 1956, as amended (the "<u>BHCA</u>") and to regulation by the Board of Governors of the Federal Reserve System (the "<u>Federal Reserve</u>"). Neither the Company nor any of its Subsidiaries or Affiliates owns or controls, directly or indirectly, five percent (5%) or more of the outstanding shares of any class of voting securities or twenty-five percent (25%) or more of the total equity of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve. Neither the Company nor any of its Subsidiaries or Affiliates exercises a controlling influence over the management or policies of a bank or any entity that is subject to the BHCA and to regulation by the Federal Reserve.

(ll) <u>Money Laundering</u>. The operations of the Company and its Subsidiaries are and have been conducted at all times in compliance with applicable financial record-keeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, applicable money laundering statutes and applicable rules and regulations thereunder (collectively, the "<u>Money Laundering Laws</u>"), and no Action or Proceeding by or before any court or governmental agency, authority or body or any arbitrator involving the Company or any Subsidiary with respect to the Money Laundering Laws is pending or, to the knowledge of the Company or any Subsidiary, threatened.

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(mm) <u>Private Placement</u>. Assuming the accuracy of the Purchasers' representations and warranties set forth in Section 3.2, no registration under the Securities Act is required for the offer and sale of the Warrants or the Warrant Shares by the Company to the Purchasers as contemplated hereby. The issuance and sale of the Securities hereunder does not contravene the rules and regulations of the Trading Market.

(nn) <u>No General Solicitation</u>. Neither the Company nor any Person acting on behalf of the Company has offered or sold any of the Warrant or Warrant Shares by any form of general solicitation or general advertising. The Company has offered the Warrants and Warrant Shares for sale only to the Purchasers and certain other "accredited investors" within the meaning of Rule 501 under the Securities Act.

(oo) No Disqualification Events. With respect to the Warrant and Warrant Shares to be offered and sold hereunder in reliance on Rule 506 under the Securities Act, none of the Company, any of its predecessors, any affiliated issuer, any director, executive officer, other officer of the Company participating in the offering hereunder, any beneficial owner of 20% or more of the Company's outstanding voting equity securities, calculated on the basis of voting power, nor any promoter (as that term is defined in Rule 405 under the Securities Act) connected with the Company in any capacity at the time of sale (each, an "Issuer Covered Person") is subject to any of the "Bad Actor" disqualifications described in Rule 506(d)(1)(i) to (viii) under the Securities Act (a "Disqualification Event"), except for a Disqualification Event. The Company has exercised reasonable care to determine whether any Issuer Covered Person is subject to a Disqualification Event. The Company has complied, to the extent applicable, with its disclosure obligations under Rule 506(e), and has furnished to the Purchasers a copy of any disclosures provided thereunder.

(pp) Other Covered Persons. Other than the Placement Agent, the Company is not aware of any person (other than any Issuer Covered Person) that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with the sale of any Securities.

(qq) <u>Notice of Disqualification Events</u>. The Company will notify the Purchasers and the Placement Agent in writing, prior to the Closing Date of (i) any Disqualification Event relating to any Issuer Covered Person and (ii) any event that would, with the passage of time, reasonably be expected to become a Disqualification Event relating to any Issuer Covered Person.

3.2 <u>Representations and Warranties of the Purchasers</u>. Each Purchaser, for itself and for no other Purchaser, hereby represents and warrants as of the date hereof and as of the Closing Date to the Company as follows (unless as of a specific date therein, in which case they shall be accurate as of such date):

(a) Organization; Authority. Such Purchaser is either an individual or an entity duly incorporated or formed, validly existing and in good standing under the laws of the jurisdiction of its incorporation or formation with full right, corporate, partnership, limited liability company or similar power and authority to enter into and to consummate the transactions contemplated by the Transaction Documents and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of the Transaction Documents and performance by such Purchaser of the transactions contemplated by the Transaction Documents have been duly authorized by all necessary corporate, partnership, limited liability company or similar action, as applicable, on the part of such Purchaser. Each Transaction Document to which it is a party has been duly executed by such Purchaser, and when delivered by such Purchaser in accordance with the terms hereof, will constitute the valid and legally binding obligation of such Purchaser, enforceable against it in accordance with its terms, except: (i) as limited by general equitable principles and applicable bankruptcy, insolvency, reorganization, moratorium and other laws of general application affecting enforcement of creditors' rights generally, (ii) as limited by laws relating to the availability of specific performance, injunctive relief or other equitable remedies and (iii) insofar as indemnification and contribution provisions may be limited by applicable law.

(b) <u>Understandings or Arrangements</u>. Such Purchaser is acquiring the Securities as principal for its own account and has no direct or indirect arrangement or understandings with any other persons to distribute or regarding the distribution of such Securities (this representation and warranty not limiting such Purchaser's right to sell the Securities pursuant to the Registration Statement or otherwise in compliance with applicable federal and state securities laws). Such Purchaser is acquiring the Securities hereunder in the ordinary course of its business. Such Purchaser understands that the Warrants and the Warrant Shares are "restricted securities" and have not been registered under the Securities Act or any applicable state securities law and is acquiring such Securities as principal for his, her or its own account and not with a view to or for distributing or reselling such Securities or any applicable state securities law and has no direct or indirect arrangement or understandings with any other persons to distributing of such Securities in violation of the Securities law and has no direct or indirect arrangement or understandings with any other persons to distributing or regarding the distribution of such Securities law and has no direct or indirect arrangement or understandings with any other persons to distributing or regarding the distribution of such Securities in violation of the Securities Act or any applicable state securities law (this representation and warranty not limiting such Purchaser's right to sell such Securities pursuant to a registration statement or otherwise in compliance with applicable state securities law (this representation and warranty not limiting such Purchaser's right to sell such Securities pursuant to a registration statement or otherwise in compliance with applicable federal and state securities laws).

(c) <u>Purchaser Status</u>. At the time such Purchaser was offered the Securities, it was, and as of the date hereof it is, and on each date on which it exercises any Warrants, it will be either (i) an "accredited investor" as defined in Rule 501(a)(1), (a)(2), (a)(3), (a)(7) or (a)(8) under the Securities Act or (ii) a "qualified institutional buyer" as defined in Rule 144A(a) under the Securities Act.

(d) Experience of Such Purchaser. Such Purchaser, either alone or together with its representatives, has such knowledge, sophistication and experience in business and financial matters so as to be capable of evaluating the merits and risks of the prospective investment in the Securities, and has so evaluated the merits and risks of such investment. Such Purchaser is able to bear the economic risk of an investment in the Securities and, at the present time, is able to afford a complete loss of such investment.

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(e) Access to Information. Such Purchaser acknowledges that it has had the opportunity to review the Transaction Documents (including all exhibits and schedules thereto) and the SEC Reports and has been afforded, (i) the opportunity to ask such questions as it has deemed necessary of, and to receive answers from, representatives of the Company concerning the terms and conditions of the offering of the Securities and the merits and risks of investing in the Securities; (ii) access to information about the Company and its financial condition, results of operations, business, properties, management and prospects sufficient to enable it to evaluate its investment; and (iii) the opportunity to obtain such additional information that the Company possesses or can acquire without unreasonable effort or expense that is necessary to make an informed investment decision with respect to the investment. Such Purchaser acknowledges and agrees that neither the Placement Agent nor any Affiliate of the Placement Agent nor any Affiliate has made or makes any representation as to the Company or the quality of the Securities and the Placement Agent and any Affiliate may have acquired non-public information with respect to the Company which such Purchaser agrees need not be provided to it. In connection with the issuance of the Securities to such Purchaser, neither the Placement Agent nor any of its Affiliates has acted as a financial advisor or fiduciary to such Purchaser.

(f) Certain Transactions and Confidentiality. Other than consummating the transactions contemplated hereunder, such Purchaser has not, nor has any Person acting on behalf of or pursuant to any understanding with such Purchaser, directly or indirectly executed any purchases or sales, including Short Sales, of the securities of the Company during the period commencing as of the time that such Purchaser first received a term sheet (written or oral) from the Company or any other Person representing the Company setting forth the material terms of the transactions contemplated hereunder and ending immediately prior to the execution hereof. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets and the portfolio managers have no direct knowledge of the investment decisions made by the portfolio managers manage of the investment decision of assets managed by the portfolio manager that made the investment decision of such Purchaser's assets, including, without limitation, its officers, partners, legal and other advisors, employees, agents and Affiliates, such Purchaser has maintained the confidentiality of all disclosures made to it in connection with this transaction (including the existence and terms of this transaction). Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

(g) General Solicitation. Such Purchaser is not purchasing the Securities as a result of any advertisement, article, notice or other communication regarding the Securities published in any newspaper, magazine or similar media or broadcast over television or radio or presented at any seminar or, to the knowledge of such Purchaser, any other general solicitation or general advertisement.

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The Company acknowledges and agrees that the representations contained in this Section 3.2 shall not modify, amend or affect such Purchaser's right to rely on the Company's representations and warranties contained in this Agreement or any representations and warranties contained in any other Transaction Document or any other document or instrument executed and/or delivered in connection with this Agreement or the consummation of the transactions contemplated hereby. Notwithstanding the foregoing, for the avoidance of doubt, nothing contained herein shall constitute a representation or warranty, or preclude any actions, with respect to locating or borrowing shares in order to effect Short Sales or similar transactions in the future.

# ARTICLE IV.

# OTHER AGREEMENTS OF THE PARTIES

# 4.1 Removal of Legends.

(a) The Warrants and Warrant Shares may only be disposed of in compliance with state and federal securities laws and pursuant to the terms of the Warrants. In connection with any transfer of Warrants or Warrant Shares other than pursuant to an effective registration statement or Rule 144, to the Company or to an Affiliate of a Purchaser or in connection with a pledge as contemplated in Section 4.1(b), the Company may require the transferor thereof to provide to the Company an opinion of counsel selected by the transferor and reasonably acceptable to the Company, the form and substance of which opinion shall be reasonably satisfactory to the Company, to the effect that such transfer does not require registration of such transferred Warrant under the Securities Act.

(b) The Purchasers agree to the imprinting, so long as is required by this Section 4.1, of a legend on any of the Warrants or Warrant Shares in the following form:

NEITHER THIS SECURITY NOR THE SECURITIES INTO WHICH THIS SECURITY IS EXERCISABLE HAS BEEN REGISTERED WITH THE SECURITIES AND EXCHANGE COMMISSION OR THE SECURITIES COMMISSION OF ANY STATE IN RELIANCE UPON AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT OF 1933, AS AMENDED (THE "SECURITIES ACT"), AND, ACCORDINGLY, MAY NOT BE OFFERED OR SOLD EXCEPT PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT OR PURSUANT TO AN AVAILABLE EXEMPTION FROM, OR IN A TRANSACTION NOT SUBJECT TO, THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT AND IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS. THIS SECURITY AND THE SECURITIES ISSUABLE UPON EXERCISE OF THIS SECURITY MAY BE PLEDGED IN CONNECTION WITH A BONA FIDE MARGIN ACCOUNT WITH A REGISTERED BROKER-DEALER OR OTHER LOAN WITH A FINANCIAL INSTITUTION THAT IS AN "ACCREDITED INVESTOR" AS DEFINED IN RULE 501(a) UNDER THE SECURITIES ACT OR OTHER LOAN SECURED BY SUCH SECURITIES.

(d) Certificates evidencing the Warrant Shares shall not contain any legend (including the legend set forth in Section 4.1(b) hereof): (i) following any sale of such Warrant Shares pursuant to an effective registration statement covering the resale of such Warrant Shares under the Securities Act, or (ii) following any sale of such Warrant Shares pursuant to Rule 144 (assuming cashless exercise of the Warrants), or (iii) if such Warrant Shares are eligible for sale under Rule 144 (assuming cashless exercise of the Warrants), or (iv) if such legend is not required under applicable requirements of the Securities Act (including judicial interpretations and pronouncements issued by the staff of the Commission). The Company shall cause its counsel to issue a legal opinion to the Transfer Agent or the Purchaser promptly if required by the Transfer Agent to effect the removal of the legend hereunder, or if requested by a Purchaser, respectively. If all or any portion of a Warrant is exercised at a time when there is an effective registration statement to cover the resale of the Warrant Shares and the Purchaser has delivered a representation letter from its broker that such Warrant Shares have been sold pursuant to such registration statement, or if such Warrant Shares may be sold under Rule 144 (assuming cashless exercise of the Warrants) or if such legend is not otherwise required under applicable requirements of the Securities Act (including judicial interpretations and pronouncements issued by the staff of the Commission) then such Warrant Shares shall be issued free of all legends. The Company agrees that following such time as such legend is no longer required under this Section 4.1(d), the Company will, no later than the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined below) following the delivery by a Purchaser to the Company or the Transfer Agent of a certificate representing Warrant Shares, as applicable, issued with a restrictive legend (such date, the "Legend Removal Date"), deliver or cause to be delivered to such Purchaser a certificate representing such shares that is free from all restrictive and other legends. The Company may not make any notation on its records or give instructions to the Transfer Agent that enlarge the restrictions on transfer set forth in this Section 4. Warrant Shares subject to legend removal hereunder shall be transmitted by the Transfer Agent to the Purchaser by crediting the account of the Purchaser's prime broker with the Depository Trust Company System as directed by such Purchaser. As used herein, "Standard Settlement Period" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of a certificate representing Warrant Shares issued with a restrictive legend.

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(e) In addition to such Purchaser's other available remedies, the Company shall pay to a Purchaser, in cash, (i) as partial liquidated damages and not as a penalty, for each \$1,000 of Warrant Shares (based on the VWAP of the Common Stock on the date such Securities are submitted to the Transfer Agent) delivered for removal of the restrictive legend and subject to Section 4.1(d), \$10 per Trading Day (increasing to \$20 per Trading Day five (5) Trading Days after such damages have begun to accrue) for each Trading Day after the Legend Removal Date until such certificate is delivered without a legend and (ii) if the Company fails to (a) issue and deliver (or cause to be delivered) to a Purchaser by the Legend Removal Date a certificate representing the Securities so delivered to the Company by such Purchaser that is free from all restrictive and other legends and (b) if after the Legend Removal Date such Purchaser purchases (in an open market transaction or otherwise) shares of Common Stock to deliver in satisfaction of a sale by such Purchaser of all or any portion of the number of shares of Common Stock, are asle of a number of shares of Common Stock equal to all or any portion of the number of shares of Common Stock, that such Purchaser anticipated receiving from the Company without any restrictive legend, then an amount equal to the excess of such Purchaser's total purchase price (including brokerage commissions and other out-of-pocket expenses, if any) (the "**Buy-In Price**") over the product of (A) such number of Warrant Shares that the Company was required to deliver to such Purchaser by the Legend Removal Date multiplied by (B) the lowest closing sale price of the Common Stock on any Trading Day during the period commencing on the date of the delivery by such Purchaser to the Company of the applicable Warrant Shares (as the case may be) and ending on the date of such delivery and payment under this Section 4.1(e).

(f) The Shares shall be issued free of legends.

#### 4.2 Furnishing of Information.

(a) Until the earliest of the time that (i) no Purchaser owns Warrants or (ii) the Warrants have expired, the Company covenants to timely file (or obtain extensions in respect thereof and file within the applicable grace period) all reports required to be filed by the Company after the date hereof pursuant to the Exchange Act.

(b) At any time during the period commencing from the six (6) month anniversary of the date hereof and ending at such time that all of the Warrant Shares (assuming cashless exercise) may be sold without the requirement for the Company to be in compliance with Rule 144(c)(1) and otherwise without restriction or limitation pursuant to Rule 144, if the Company (i) shall fail for any reason to satisfy the current public information requirement under Rule 144(c) or (ii) has ever been an issuer described in Rule 144(i)(1)(i) or becomes an issuer in the future, and the Company shall fail to satisfy any condition set forth in Rule 144(i)(2) (a "<u>Public Information Failure</u>") then, in addition to such Purchaser's other available remedies, the Company shall pay to a Purchaser, in cash, as partial liquidated damages and not as a penalty, by reason of any such delay in or reduction of its ability to sell the Warrant Shares, an amount in cash equal to one-half of one percent (0.5%) of the aggregate Exercise Price of such Purchaser's Warrants on the day of a Public Information Failure and on every thirtieth (30th) day (pro rated for periods totaling less than thirty days) thereafter until the earlier of (a) the date such Public Information Failure is cured and (b) such time that such public information is no longer required for the Purchasers to transfer the Warrant Shares pursuant to Rule 144. The payments to which a Purchaser shall be entitled pursuant to this Section 4.2(b) are referred to herein as "<u>Public Information Failure Payments</u>." Public Information Failure Payments shall be paid on the earlier of (i) the last day of the calendar month during which such Public Information Failure Payments are incurred and (ii) the third (3rd) Business Day after the event or failure giving rise to the Public Information Failure Payments is a timely manner, such Public Information Failure Payments shall bear interest at the rate of 1.5% per month (prorated for partial months) until paid in full. Nothing herein shall limit such Purc

4.3 Integration. The Company shall not sell, offer for sale or solicit offers to buy or otherwise negotiate in respect of any security (as defined in Section 2 of the Securities Act) that would be integrated with the offer or sale of the Securities in a manner that would require the registration under the Securities Act of the sale of the Warrants or Warrant Shares or that would be integrated with the offer or sale of the Securities for purposes of the rules and regulations of any Trading Market such that it would require shareholder approval prior to the closing of such other transaction unless shareholder approval is obtained before the closing of such subsequent transaction.

4.4 Securities Laws Disclosure; Publicity. The Company shall by the Disclosure Time file a report with the Commission disclosing the material terms of the transactions contemplated hereby, including the Transaction Documents as exhibits thereto. From and after the issuance of such report, the Company represents to the Purchasers that it shall have publicly disclosed all material, non-public information delivered to any of the Purchasers by the Company or any of its Subsidiaries, or any of their

respective officers, directors, employees or agents in connection with the transactions contemplated by the Transaction Documents. In addition, effective upon the issuance of such report, the Company acknowledges and agrees that any and all confidentiality or similar obligations under any agreement, whether written or oral, between the Company, any of its Subsidiaries or any of their respective officers, directors, agents, employees or Affiliates on the one hand, and any of the Purchasers or any of their Affiliates on the other hand, shall terminate. The Company and each Purchaser shall consult with each other in issuing any press releases with respect to the transactions contemplated hereby, and neither the Company nor any Purchaser shall issue any such press release nor otherwise make any such public statement without the prior consent of the Company, with respect to any press release of any Purchaser, or without the prior consent of each Purchaser, with respect to any press release of the Company, which consent shall not unreasonably be withheld or delayed, except if such disclosure is required by law, in which case the disclosure party shall promptly provide the other party with prior notice of such public statement or communication. Notwithstanding the foregoing, the Company shall not publicly disclose the name of any Purchaser, or include the name of any Purchaser, except (a) as required by federal securities law in connection with the filing of final Transaction Documents with the Commission or the registration of the resale of the Warrant Shares and (b) to the extent such disclosure is required by law or Trading Market regulations, in which case the Company shall provide the Purchasers with prior notice of such disclosure permitted under this clause (b).

4.5 <u>Shareholder Rights Plan</u>. No claim will be made or enforced by the Company or, with the consent of the Company, any other Person, that any Purchaser is an "<u>Acquiring Person</u>" under any control share acquisition, business combination, poison pill (including any distribution under a rights agreement) or similar anti-takeover plan or arrangement in effect or hereafter adopted by the Company, or that any Purchaser could be deemed to trigger the provisions of any such plan or arrangement, by virtue of receiving Securities under the Transaction Documents or under any other agreement between the Company and the Purchasers.

4.6 Non-Public Information. Except with respect to the material terms and conditions of the transactions contemplated by the Transaction Documents, which shall be disclosed pursuant to Section 4.4, the Company covenants and agrees that neither it, nor any other Person acting on its behalf will provide any Purchaser or its agents or counsel with any information that constitutes, or the Company reasonably believes constitutes, material non-public information, unless prior thereto such Purchaser shall have consented to the receipt of such information and agreed with the Company to keep such information confidential. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company. To the extent that the Company, any of its Subsidiaries, or any of their respective officers, directors, agents, employees or Affiliates delivers any material, non-public information to a Purchaser without such Purchaser's consent, the Company hereby covenants and agrees that such Purchaser shall not have any duty of confidentiality to the Company, any of its Subsidiaries, or any of their respective officers, directors, agents, employees or Affiliates delivers any material, non-public information to a Purchaser without such Purchaser's consent, the Company hereby covenants and agrees that such Purchaser shall not have any duty of confidentiality to the Company, any of its Subsidiaries, or any of their respective officers, directors, agents, employees or Affiliates not to trade on the basis of, such material, non-public information regarding the Company or any Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Company understands and confirms that each Purchaser shall be relying on the foregoing covenant in effecting transactions in securities of the Company or any Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Rep

4.7 Use of Proceeds. Except as set forth in the Prospectus Supplement, the Company shall use the net proceeds from the sale of the Securities hereunder for working capital purposes and shall not use such proceeds: (a) for the satisfaction of any portion of the Company's debt (other than payment of trade payables in the ordinary course of the Company's business and prior practices), (b) for the redemption of any Common Stock or Common Stock Equivalents, (c) for the settlement of any outstanding litigation or (d) in violation of FCPA or OFAC regulations.

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4.8 Indemnification of Purchasers. Subject to the provisions of this Section 4.8, the Company will indemnify and hold each Purchaser and its directors, officers, shareholders, members, partners, employees and agents (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title), each Person who controls such Purchaser (within the meaning of Section 15 of the Securities Act and Section 20 of the Exchange Act), and the directors, officers, shareholders, agents, members, partners or employees (and any other Persons with a functionally equivalent role of a Person holding such titles notwithstanding a lack of such title or any other title) of such controlling persons (each, a "Purchaser Party") harmless from any and all losses, liabilities, obligations, claims, contingencies, damages, costs and expenses, including all judgments, amounts paid in settlements, court costs and reasonable attorneys' fees and costs of investigation that any such Purchaser Party may suffer or incur as a result of or relating to (a) any breach of any of the representations, warranties, covenants or agreements made by the Company in this Agreement or in the other Transaction Documents or (b) any action instituted against the Purchaser Parties in any capacity, or any of them or their respective Affiliates, by any stockholder of the Company who is not an Affiliate of such Purchaser Party, with respect to any of the transactions contemplated by the Transaction Documents (unless such action is solely based upon a material breach of such Purchaser Party's representations, warranties or covenants under the Transaction Documents or any agreements or understandings such Purchaser Party may have with any such stockholder or any violations by such Purchaser Party of state or federal securities laws or any conduct by such Purchaser Party which is finally judicially determined to constitute fraud, gross negligence or willful misconduct) or (c) in connection with any registration statement of the Company providing for the resale by the Purchasers of the Warrant Shares issued and issuable upon exercise of the Warrants, the Company will indemnify each Purchaser Party, to the fullest extent permitted by applicable law, from and against any and all losses, claims, damages, liabilities, costs (including, without limitation, reasonable attorneys' fees) and expenses, as incurred, arising out of or relating to (i) any untrue or alleged untrue statement of a material fact contained in such registration statement, any prospectus or any form of prospectus or in any amendment or supplement thereto or in any preliminary prospectus, or arising out of or relating to any omission or alleged omission of a material fact required to be stated therein or necessary to make the statements therein (in the case of any prospectus or supplement thereto, in the light of the circumstances under which they were made) not misleading, except to the extent, but only to the extent, that such untrue statements or omissions are based solely upon information regarding such Purchaser Party furnished in writing to the Company by such Purchaser Party expressly for use therein, or (ii) any violation or alleged violation by the Company of the Securities Act, the Exchange Act or any state securities law, or any rule or regulation thereunder in connection therewith. If any action shall be brought against any Purchaser Party in respect of which indemnity may be sought pursuant to this Agreement, such Purchaser Party shall promptly notify the Company in writing, and the Company shall have the right to assume the defense thereof with counsel of its own choosing reasonably acceptable to the Purchaser Party. Any Purchaser Party shall have the right to employ separate counsel in any such action and participate in the defense thereof, but the fees and expenses of such counsel shall be at the expense of such Purchaser Party except to the extent that (x) the employment thereof has been specifically authorized by the Company in writing, (y) the Company has failed after a reasonable period of time to assume such defense and to employ counsel or (z) in such action there is, in the reasonable opinion of counsel, a material conflict on any material issue between the position of the Company and the position of such Purchaser Party, in which case the Company shall be responsible for the reasonable fees and expenses of no more than one such separate counsel. The Company will not be liable to any Purchaser Party under this Agreement (1) for any settlement by a Purchaser Party effected without the Company's prior written consent, which shall not be unreasonably withheld or delayed; or (2) to the extent, but only to the extent that a loss, claim, damage or liability is attributable to any Purchaser Party's breach of any of the representations, warranties, covenants or agreements made by such Purchaser Party in this Agreement or in the other Transaction Documents. The indemnification required by this Section 4.8 shall be made by periodic payments of the amount thereof during the course of the investigation or defense, as and when bills are received or are incurred. The indemnity agreements contained herein shall be in addition to any cause of action or similar right of any Purchaser Party against the Company or others and any liabilities the Company may be subject to pursuant to law.

4.9 <u>Reservation of Common Stock</u>. As of the date hereof, the Company has reserved and the Company shall continue to reserve and keep available at all times, free of preemptive rights, a sufficient number of shares of Common Stock for the purpose of enabling the Company to issue Shares pursuant to this Agreement and Warrant Shares pursuant to any exercise of the Warrants.

4.10 Listing of Common Stock. The Company hereby agrees to use commercially reasonable efforts to maintain the listing or quotation of the Common Stock on the

Trading Market on which it is currently listed, and concurrently with the Closing, the Company shall apply to list or quote all of the Shares and Warrant Shares on such Trading Market and promptly secure the listing of all of the Shares and Warrant Shares on such Trading Market. The Company further agrees, if the Company applies to have the Common Stock traded on any other Trading Market, it will then include in such application all of the Shares and Warrant Shares on such Trading Market. The Company further agrees, if the Company applies to have the Common Stock traded on any other Trading Market, it will then include in such application all of the Shares and Warrant Shares, and will take such other action as is reasonably necessary to cause all of the Shares and Warrant Shares to be listed or quoted on such other Trading Market as promptly as possible. The Company will then take all action reasonably necessary to continue the listing and trading of its Common Stock on a Trading Market and will comply in all respects with the Company's reporting, filing and other obligations under the bylaws or rules of the Trading Market. The Company or another established clearing corporation, including, without limitation, by timely payment of fees to the Depository Trust Company or such other established clearing corporation in connection with such electronic transfer.

#### 4.11 [Reserved].

4.12 <u>Certain Transactions and Confidentiality</u>. Each Purchaser, severally and not jointly with the other Purchasers, covenants that neither it nor any Affiliate acting on its behalf or pursuant to any understanding with it will execute any purchases or sales, including Short Sales of any of the Company's securities during the period commencing with the execution of this Agreement and ending at such time that the transactions contemplated by this Agreement are first publicly announced pursuant to the report as described in Section 4.4. Each Purchaser, severally and not jointly with the other Purchasers, covenants that until such time as the transactions contemplated by this Agreement are publicly disclosed by the Company pursuant to the report as described in Section 4.4, such Purchaser will maintain the confidentiality of the existence and terms of this transaction. Notwithstanding the foregoing and notwithstanding anything contained in this Agreement to the contrary, the Company expressly acknowledges and agrees that (i) no Purchaser makes any representation, warranty or covenant hereby that it will not engage in effecting transactions in any securities of the Company after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the report as described in Section 4.4, (ii) no Purchaser shall be restricted or prohibited from effecting any transactions in any securities of the Company in accordance with applicable securities laws from and after the time that the transactions contemplated by this Agreement are first publicly announced pursuant to the report as described in Section 4.4. Notwithstanding the foregoing, in the case of a Purchaser that is a multi-managed investment vehicle whereby separate portfolio managers manage separate portions of such Purchaser's assets, the covenant set forth above shall only apply with respect to the portion of assets managed by the portfolio managers that made the investment decision to purchase the Securities covered by this Ag

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4.13 Exercise Procedures. The form of Notice of Exercise included in the Warrants set forth the totality of the procedures required of the Purchasers in order to exercise the Warrants. No additional legal opinion, other information or instructions shall be required of the Purchasers to exercise their Warrants. Without limiting the preceding sentences, no ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise form be required in order to exercise the Warrants. The Company shall honor exercises of the Warrants and shall deliver Warrant Shares in accordance with the terms, conditions and time periods set forth in the Transaction Documents.

4.14 Form D: Blue Sky Filings. The Company agrees to timely file a Form D with respect to the Warrants and Warrant Shares as required under Regulation D and to provide a copy thereof, promptly upon request of any Purchaser. The Company shall take such action as the Company shall reasonably determine is necessary in order to obtain an exemption for, or to qualify the Warrants and Warrant Shares for, sale to the Purchasers at the Closing under applicable securities or "Blue Sky" laws of the states of the United States, and shall provide evidence of such actions promptly upon request of any Purchaser.

# 4.15 [Reserved].

4.16 Sales During Pre-Settlement Period. Notwithstanding anything herein to the contrary, if at any time on or after the time of execution of this Agreement by the Company and an applicable Purchaser, through, and including the time immediately prior to the Closing (the "Pre-Settlement Period"), such Purchaser sells to any Person all, or any portion, of any shares of Common Stock to be issued hereunder to such Purchaser at the Closing (collectively, the "Pre-Settlement Shares"), such Purchaser shall, automatically hereunder (without any additional required actions by such Purchaser or the Company), be deemed to be unconditionally bound to purchase, and the Company shall be deemed unconditionally bound to sell, such Pre-Settlement Shares to such Purchaser at the Closing; provided, that the Company shall not be required to deliver any Pre-Settlement Shares to such Purchaser price of such Pre-Settlement Shares hereunder; and provided further that the Company hereby acknowledges and agrees that the forgoing shall not constitute a representation or covenant by such Purchaser as to whether or not during the Pre-Settlement Period such Purchaser shall sell any shares of Common Stock to any Person and that any such decision to sell any shares of Common Stock by such Purchaser shall solely be made at the time such Purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any such as a period such purchaser elects to effect any

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### ARTICLE V. MISCELLANEOUS

5.1 <u>Termination</u>. This Agreement may be terminated by any Purchaser, as to such Purchaser's obligations hereunder only and without any effect whatsoever on the obligations between the Company and the other Purchasers, by written notice to the other parties, if the Closing has not been consummated on or before the fifth (5<sup>th</sup>) Trading Day following the date hereof; <u>provided</u>, <u>however</u>, that no such termination will affect the right of any party to sue for any breach by any other party (or parties).

5.2 Fees and Expenses. Except as expressly set forth in the Transaction Documents to the contrary, each party shall pay the fees and expenses of its advisers, counsel, accountants and other experts, if any, and all other expenses incurred by such party incident to the negotiation, preparation, execution, delivery and performance of this Agreement. The Company shall pay all Transfer Agent fees (including, without limitation, any fees required for same-day processing of any instruction letter delivered by the Company and any exercise notice delivered by a Purchaser), stamp taxes and other taxes and duties levied in connection with the delivery of any Securities to the Purchasers.

5.3 <u>Entire Agreement</u>. The Transaction Documents, together with the exhibits and schedules thereto, the Prospectus and the Prospectus Supplement, contain the entire understanding of the parties with respect to the subject matter hereof and thereof and supersede all prior agreements and understandings, oral or written, with respect to such matters, which the parties acknowledge have been merged into such documents, exhibits and schedules.

5.4 <u>Notices</u>. Any and all notices or other communications or deliveries required or permitted to be provided hereunder shall be in writing and shall be deemed given and effective on the earliest of: (a) the date of transmission, if such notice or communication is delivered via email attachment at the email address as set forth on the signature pages attached hereto at or prior to 5:30 p.m. (New York City time) on a Trading Day, (b) the next Trading Day after the date of transmission, if such notice or communication is delivered via email attachment at the email address as set forth on the signature pages attached hereto on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (c) the second ( $2^{nd}$ ) Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service or (d) upon actual receipt by the party to whom such notice is required to be given. The address for such notices and communications shall be as set forth on the signature pages attached hereto. To the extent that any notice provided pursuant to any Transaction Document constitutes, or contains, material, non-public information regarding the Company or any Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. 5.5 <u>Amendments: Waivers</u>. No provision of this Agreement may be waived, modified, supplemented or amended except in a written instrument signed, in the case of an amendment, by the Company and Purchasers which purchased at least 50.1% in interest of the Shares based on the initial Subscription Amounts hereunder or, in the case of a waiver, by the party against whom enforcement of any such waived provision is sought, provided that if any amendment, modification or waiver disproportionately and adversely impacts a Purchaser (or group of Purchasers), the consent of at least 50.1% in interest of such disproportionately impacted Purchaser (or group of Purchasers) shall also be required. No waiver of any default with respect to any provision, condition or requirement of this Agreement shall be deemed to be a continuing waiver in the future or a waiver of any subsequent default or a waiver of any other provision, condition or requirement hereof, nor shall any delay or omission of any party to exercise any right hereunder in any manner impair the exercise of any such right. Any proposed amendment or waiver that disproportionately, materially and adversely affects the rights and obligations of the other Purchaser shall require the prior written consent of such adversely affected Purchaser. Any amendment effected in accordance with this Section 5.5 shall be binding upon each Purchaser and holder of Securities and the Company.

5.6 Headings. The headings herein are for convenience only, do not constitute a part of this Agreement and shall not be deemed to limit or affect any of the provisions hereof.

5.7 <u>Successors and Assigns</u>. This Agreement shall be binding upon and inure to the benefit of the parties and their successors and permitted assigns. The Company may not assign this Agreement or any rights or obligations hereunder without the prior written consent of each Purchaser (other than by merger). Any Purchaser may assign any or all of its rights under this Agreement to any Person to whom such Purchaser assigns or transfers any Securities, provided that such transferee agrees in writing to be bound, with respect to the transferred Securities, by the provisions of the Transaction Documents that apply to the "Purchasers."

5.8 No Third-Party Beneficiaries. This Agreement is intended for the benefit of the parties hereto and their respective successors and permitted assigns and is not for the benefit of, nor may any provision hereof be enforced by, any other Person, except as otherwise set forth in Section 4.8 and this Section 5.8.

5.9 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of the Transaction Documents shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law thereof. Each party agrees that all legal Proceedings concerning the interpretations, enforcement and defense of the transactions contemplated by this Agreement and any other Transaction Documents (whether brought against a party hereto or its respective affiliates, directors, officers, shareholders, partners, members, employees or agents) shall be commenced exclusively in the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York. Each party hereby irrevocably submits to the exclusive jurisdiction or Proceeding, any claim that it is not personally subject to the inforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any Action or Proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such Action or Proceeding by mailing a copy thereof via registered or certified mail or overnight delivery (with evidence of delivery) to such party at the address in effect for notices to it under this Agreement and agrees that such service shall constitute good and sufficient service of process and notice thereof. Nothing contained herein shall be deemed to limit in any way any right to serve process in any other manner permitted by law. If any party shall commence an Action or Proceeding shall be reimbursed by the non-prevailing party for its reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such Action or Proceeding.

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5.10 Survival. The representations and warranties contained herein shall survive the Closing and the delivery of the Securities.

5.11 Execution. This Agreement may be executed in two or more counterparts, all of which when taken together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party and delivered to each other party, it being understood that the parties need not sign the same counterpart. In the event that any signature is delivered by e-mail delivery of a PDF format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such PDF signature page were an original thereof.

5.12 Severability. If any term, provision, covenant or restriction of this Agreement is held by a court of competent jurisdiction to be invalid, illegal, void or unenforceable, the remainder of the terms, provisions, covenants and restrictions set forth herein shall remain in full force and effect and shall in no way be affected, impaired or invalidated, and the parties hereto shall use their commercially reasonable efforts to find and employ an alternative means to achieve the same or substantially the same result as that contemplated by such term, provision, covenant or restriction. It is hereby stipulated and declared to be the intention of the parties that they would have executed the remaining terms, provisions, covenants and restrictions without including any of such that may be hereafter declared invalid, illegal, void or unenforceable.

5.13 <u>Rescission and Withdrawal Right</u>. Notwithstanding anything to the contrary contained in (and without limiting any similar provisions of) any of the other Transaction Documents, whenever any Purchaser exercises a right, election, demand or option under a Transaction Document and the Company does not timely perform its related obligations within the periods therein provided, then such Purchaser may rescind or withdraw, in its sole discretion from time to time upon written notice to the Company, any relevant notice, demand or election in whole or in part without prejudice to its future actions and rights; <u>provided</u>, <u>however</u>, that in the case of a rescission of an exercise of a Warrant, the applicable Purchaser shall be required to return any shares of Common Stock subject to any such rescinded exercise notice concurrently with the return to such Purchaser of the aggregate exercise price paid to the Company for such shares and the restoration of such Purchaser's right to acquire such shares pursuant to such Purchaser's Warrant (including, issuance of a replacement warrant certificate evidencing such restored right).

5.14 <u>Replacement of Securities</u>. If any certificate or instrument evidencing any Securities is mutilated, lost, stolen or destroyed, the Company shall issue or cause to be issued in exchange and substitution for and upon cancellation thereof (in the case of mutilation), or in lieu of and substitution therefor, a new certificate or instrument, but only upon receipt of evidence reasonably satisfactory to the Company of such loss, theft or destruction. The applicant for a new certificate or instrument under such circumstances shall also pay any reasonable third-party costs (including customary indemnity) associated with the issuance of such replacement Securities.

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5.15 <u>Remedies</u>. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, each of the Purchasers and the Company will be entitled to specific performance under the Transaction Documents. The parties agree that monetary damages may not be adequate compensation for any loss incurred by reason of any breach of obligations contained in the Transaction Documents and hereby agree to waive and not to assert in any Action for specific performance of any such obligation the defense that a remedy at law would be adequate.

5.16 Payment Set Aside. To the extent that the Company makes a payment or payments to any Purchaser pursuant to any Transaction Document or a Purchaser enforces or exercises its rights thereunder, and such payment or payments or the proceeds of such enforcement or exercise or any part thereof are subsequently invalidated, declared to be fraudulent or preferential, set aside, recovered from, disgorged by or are required to be refunded, repaid or otherwise restored to the Company, a trustee, receiver or any other Person under any law (including, without limitation, any bankruptcy law, state or federal law, common law or equitable cause of action), then to the extent of any such restoration the obligation or part thereof originally intended to be satisfied shall be revived and continued in full force and effect as if such payment had not been made or such enforcement or setoff had not occurred.

5.17 Independent Nature of Purchasers' Obligations and Rights. The obligations of each Purchaser under any Transaction Document are several and not joint with the obligations of any other Purchaser, and no Purchaser shall be responsible in any way for the performance or non-performance of the obligations of any other Purchaser under

any Transaction Document. Nothing contained herein or in any other Transaction Document, and no action taken by any Purchaser pursuant hereto or thereto, shall be deemed to constitute the Purchasers as a partnership, an association, a joint venture or any other kind of entity, or create a presumption that the Purchasers are in any way acting in concert or as a group with respect to such obligations or the transactions contemplated by the Transaction Documents. Each Purchaser shall be entitled to independently protect and enforce its rights including, without limitation, the rights arising out of this Agreement or out of the other Transaction Documents, and it shall not be necessary for any other Purchaser to be joined as an additional party in any Proceeding for such purpose. Each Purchaser has been represented by its own separate legal counsel in its review and negotiation of the Transaction Documents. The Company has elected to provide all Purchasers with the same terms and Transaction Documents for the convenience of the Company and not because it was required or requested to do so by any of the Purchasers. It is expressly understood and agreed that each provision contained in this Agreement and in each other Transaction Document is between the Company and a Purchaser, solely, and not between the Company and the Purchasers collectively and not between and among the Purchasers.

5.18 Liquidated Damages. The Company's obligations to pay any partial liquidated damages or other amounts owing under the Transaction Documents is a continuing obligation of the Company and shall not terminate until all unpaid partial liquidated damages and other amounts have been paid notwithstanding the fact that the instrument or security pursuant to which such partial liquidated damages or other amounts are due and payable shall have been canceled.

5.19 <u>Saturdays, Sundays, Holidays, etc.</u> If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then such action may be taken or such right may be exercised on the next succeeding Business Day.

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5.20 <u>Construction</u>. The parties agree that each of them and/or their respective counsel have reviewed and had an opportunity to revise the Transaction Documents and, therefore, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of the Transaction Documents or any amendments thereto. In addition, each and every reference to share prices and shares of Common Stock in any Transaction Document shall be subject to adjustment for reverse and forward stock splits, stock dividends, stock combinations and other similar transactions of the Common Stock that occur after the date of this Agreement.

### 5.21 WAIVER OF JURY TRIAL. IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY, THE PARTIES EACH KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, HEREBY ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVES FOREVER TRIAL BY JURY.

(Signature Pages Follow)

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IN WITNESS WHEREOF, the parties hereto have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

# MYMD PHARMAEUTICALS, INC.

By: Name:

Title:

855 N. Wolfe Street, Suite 601 Baltimore, MD 21205 E-Mail:

Address for Notice:

With a copy to (which shall not constitute notice): Rick A. Werner, Esq. Jayun Koo, Esq. Haynes and Boone, LLP 30 Rockefeller Plaza, 26th Floor New York, New York 10112 (212) 659-7300

> [REMAINDER OF PAGE INTENTIONALLY LEFT BLANK SIGNATURE PAGE FOR PURCHASER FOLLOWS]

> > 36

### [PURCHASER SIGNATURE PAGES TO MYMD SECURITIES PURCHASE AGREEMENT]

IN WITNESS WHEREOF, the undersigned have caused this Securities Purchase Agreement to be duly executed by their respective authorized signatories as of the date first indicated above.

Warrant Shares:

EIN Number:

 $\Box$  Notwithstanding anything contained in this Agreement to the contrary, by checking this box (i) the obligations of the above-signed to purchase the securities set forth in this Agreement to be purchased from the Company by the above-signed, and the obligations of the Company to sell such securities to the above-signed, shall be unconditional and all conditions to Closing shall be disregarded, (ii) the Closing shall occur on the second (2<sup>nd</sup>) Trading Day following the date of this Agreement and (iii) any condition to Closing contemplated by this Agreement (but prior to being disregarded by clause (i) above) that required delivery by the Company or the above-signed of any agreement, instrument, certificate or the like or purchase price (as applicable) shall no longer be a condition and shall instead be an unconditional obligation of the Company or the above-signed (as applicable) to deliver such agreement, instrument, certificate or the like or purchase price (as applicable) to such other party on the Closing Date.

# [SIGNATURE PAGES CONTINUE]

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# <u>Exhibit A</u>

# Form of Warrant

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# **CERTIFICATION PURSUANT TO SARBANES-OXLEY ACT OF 2002**

I, Chris Chapman, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of MyMD Pharmaceuticals, Inc;
- Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of
  the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results
  of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a–15(e) and 15d–15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a–15(f) and 15d–15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 15, 2022

By: /s/ Chris Chapman Name: Chris Chapman

Title: President, Chief Medical Officer, and Director (Principal Executive Officer)

# **CERTIFICATION PURSUANT TO SARBANES-OXLEY ACT OF 2002**

I, Ian Rhodes, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of MyMD Pharmaceuticals, Inc;
- Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of
  the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results
  of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a–15(e) and 15d–15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a–15(f) and 15d–15(f)) for the registrant and have:
  - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 15, 2022

By: /s/ Ian Rhodes Name: Ian Rhodes

Title: Chief Financial Officer (Principal Financial Officer)

### CERTIFICATION PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of MyMD Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the period ended June 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, the undersigned, Chris Chapman, in the capacity and on the date indicated below, hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

2. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 15, 2022

By: /s/ Chris Chapman

 
 Name:
 Chris Chapman

 Title:
 President, Chief Medical Officer, and Director (Principal Executive Officer)

### CERTIFICATION PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Annual Report of MyMD Pharmaceuticals, Inc. (the "Company") on Form 10-Q for the period ended June 30, 2022 as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, the undersigned, Ian Rhodes, in the capacity and on the date indicated below, hereby certify pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

3. the Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

4. the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 15, 2022

By: /s/ Ian Rhodes

Name: Ian Rhodes Title: Chief Financial Officer (Principal Financial Officer)