U.S. SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): February 15, 2022

SUNSHINE BIOPHARMA, INC.

(Exact name of small business issuer as specified in its charter)

<u>Colorado</u> (State or other jurisdiction of incorporation) 000-52898

(Commission File Number)

<u>20-5566275</u> (IRS Employer ID No.)

6500 Trans-Canada Highway 4th Floor

Pointe-Claire, Quebec, Canada H9R0A5

(Address of principal executive offices)

(514) 426-6161

(Issuer's Telephone Number)

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

<u>Title of Each Class</u> N/A	Trading Symbol N/A	Name of Each Exchange on Which Registered N/A
Check the appropriate box below if the Form 8-K filing is following provisions:	s intended to simultaneously satisfy th	ne filing obligation of the registrant under any of the
□ Written communications pursuant to Rule 425 under the Soliciting material pursuant to Rule 14a-12 under the □ Pre-commencement communications pursuant to Rule □ Pre-commencement communications pursuant to Rule Indicate by check mark whether the registrant is an emethis chapter) or Rule 12b-2 of the Securities Exchange Ac	Exchange Act (17 CFR 240.14a-12) to 14d-2(b) under the Exchange Act (17 to 13e-4(c) under the Exchange Act (17 to 13e-4(c) under the Exchange Act (17 to 15e-15) growth company as defined in	7 CFR 240.13e-4(c)) Rule 405 of the Securities Act of 1933 (§230.405 of
Emerging growth company ⊠	70011731 (52101120 2 of this empter)	,
If an emerging growth company, indicate by check mark any new or revised financial accounting standards provide	_	

Item 1.01. Entry into a Material Definitive Agreement.

On February 15, 2022, Sunshine Biopharma, Inc. (the "Company") entered into an underwriting agreement (the "Underwriting Agreement") with Aegis Capital Corp., who acted as the sole underwriter (the "Underwriter"), in a firm commitment underwritten public offering (the "Offering") pursuant to which the Company agreed to sell to the Underwriter an aggregate of 1,882,353 units (each a "Unit") for aggregate gross proceeds of \$8 million, prior to deducting underwriting discounts, commissions and other estimated offering expenses. The price to the public in the Offering is \$4.25 per Unit, before underwriting discounts and commissions. Each Unit consists of (i) one share of the Company's common stock (the "Common Stock"); and (ii) two warrants to purchase one share each of Common Stock at an exercise price of \$4.25 per whole share (the "Warrants"). The Common Stock and the Warrants comprising the Units will be immediately separable upon issuance and will be issued separately. The Warrants are exercisable immediately, have an exercise price of \$4.25 per share and expire five years from the date of issuance. The Common Stock and Warrants were approved to list on the Nasdaq Capital Market under the symbols "SBFM" and "SBFMW" and began trading there on February 15, 2022.

The offering closed on February 17, 2022.

The Units were offered and sold to the public pursuant to the Company's registration statement on Form S-1 (File No. 333-259394), initially filed by the Company with the Securities and Exchange Commission (the "SEC") under the Securities Act of 1933, as amended (the "Securities Act") on September 9, 2021 and declared effective by the SEC on February 14, 2022.

The Underwriting Agreement contains customary representations, warranties and agreements by the Company, customary conditions to closing, indemnification obligations of the Company and the Representative, including for liabilities under the Securities Act of 1933, as amended, other obligations of the parties and termination provisions. In addition, pursuant to the terms of the Underwriting Agreement and related "lock-up" agreements, the Company, each director and executive officer of the Company, and certain stockholders have agreed not to offer for sale, issue, sell, contract to sell, pledge or otherwise dispose of any of our Common Stock or securities convertible into Common Stock for a period of 180 days after February 15, 2022, the date of the final prospectus.

On February 17, 2022, the Company entered into a warrant agency agreement (the "Warrant Agency Agreement") with Equiniti Trust Company ("Equiniti"), to serve as the Company's warrant agent for the Warrants. Upon the closing the Warrants will be issued by Equiniti.

The foregoing description of the Underwriting Agreement, the Warrants and the Warrant Agency Agreement are not complete and are qualified in their entirety by reference to the full text of the Underwriting Agreement, the Warrant and the Warrant Agency Agreement, which are filed as exhibits to this Current Report on Form 8-K and are incorporated by reference herein.

Item 8.01. Other Events.

On February 15, 2022, the Company issued a press release announcing the pricing of the Offering. A copy of the press release is attached as Exhibit 99.1 hereto and is incorporated herein by reference.

On February 17, 2022, the Company issued a press release announcing the closing of the Offering. A copy of the press release is attached as Exhibit 99.2 hereto and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits

(b) Exhibits. The following exhibits are included in this report:

<u>No.</u>	Description
1.1	Underwriting Agreement between Sunshine Biopharma, Inc. and Aegis Capital Corp., dated February 15, 2022
4.1	Form of Warrant

- 10.1 Warrant Agency Agreement between Sunshine Biopharma, Inc. and Equiniti Trust Company, dated February 17, 2022
- 99.1 Press Release, dated February 15, 2022
 Press Release, dated February 17, 2022
- 104 Cover Page Interactive Data File (formatted in iXBRL)

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 hereunto duly authorized.

SUNSHINE BIOPHARMA, INC. (Registrant) Dated: February 17, 2022

By: /s/ Dr. Steve N. Slilaty
Dr. Steve N. Slilaty, Chief Executive Officer

1,882,353 UNITS

SUNSHINE BIOPHARMA, INC.

UNDERWRITING AGREEMENT

February 15, 2022

Aegis Capital Corp. 810 Seventh Avenue, 18th Floor New York, New York 10019

Ladies and Gentlemen:

The undersigned, Sunshine Biopharma, Inc., a corporation formed under the laws of the State of Colorado (collectively, with its Subsidiaries, the "Company"), hereby confirms its agreement (this "Agreement") with Aegis Capital Corp. ("Aegis" or the "Underwriter") on the terms and conditions set forth herein. The offering and sale of the Securities contemplated by this Agreement is referred to herein as the "Offering".

The Company has granted the Underwriter an option to purchase additional Securities cover over-allotments in connection with this Offering as described in Section 2.2 below.

It is further understood that you will act as the Underwriter in the Offering and sale of the Closing Units and the Option Securities, if any, in accordance with this Agreement.

ARTICLE I. DEFINITIONS

- 1.1 <u>Definitions</u>. 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:
 - "Affiliate" means with respect to any Person, any other Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with such Person as such terms are used in and construed under Rule 405 under the Securities Act.
 - "Applicable Time" means 8 p.m., Eastern time, on the date of this Agreement.
 - "Board of Directors" means the board of directors of the Company.
 - "Business Day" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which commercial banking institutions in the State of New York are authorized or required by law or other governmental action to close; provided, however, for clarification, commercials 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 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 Closing Units pursuant to Section 2.1.

"Closing Date" means the hour and the date on the Trading Day on which all conditions precedent to (i) the Underwriter's obligations to pay the aggregate purchase price be net of the underwriting discounts and commissions and (ii) the Company's obligations to deliver the Closing Units, in each case, have been satisfied or waived, but in no event later than 10:00 a.m. (New York City time) on the second (2nd) Trading Day following the date hereof (or the third (3rd) Business Day following the Effective Date if this Agreement is signed after 4:01 p.m., Eastern time) or at such earlier time as shall be agreed upon by the Underwriter and the Company.

"Closing Units" shall have the meaning ascribed to such term in Section 2.1(a).

"Closing Shares" shall have the meaning ascribed to such term in Section 2.1(a).

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

"Common Stock" means Company's common stock, par value \$0.001 per share.

"Common Stock Equivalents" means any securities of the Company 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 Auditors" means B F Borgers CPA PC, with offices located at 5400 West Cedar Avenue, Lakewood, CO 80226.

"Company Counsel" means, with respect to Colorado law, Andrew I. Telsey, P.C., with offices located at 6198 South Moline Court, Englewood, CO 80111, and with respect to U.S. federal securities laws and New York law, Sichenzia Ross Ference LLP, with offices located at 1185 Avenue of the Americas, 31st Floor, New York, NY 10036.

"Contributing Party" shall have the meaning ascribed to such term in Section 5.4(b).

"Engagement Agreement" shall mean that certain Engagement Agreement, dated June 25, 2021, as amended on January 25, 2022, by and between the Company and the Underwriter.

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

"Execution Date" shall mean the date on which the parties execute and enter into this Agreement.

"Exempt Issuance" means the issuance of (a) Common Stock or options to employees, service providers, officers or directors of the Company pursuant to any stock or option plan duly adopted for such purpose by the Board of Directors or a committee of non-employee directors established for such purpose for services rendered to the Company (including, for the avoidance of doubt, any such plan that may be adopted following the Execution Date), (b) securities issued or issuable upon the exercise or exchange of or conversion of any securities exercisable or exchangeable for or convertible into Common Stock issued and outstanding on the date of (or issuable under) this Agreement, provided that such securities have not been amended since the date of this Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities, (c) securities issued pursuant to acquisitions or strategic transactions approved by a majority of the disinterested directors of the Company, provided that such securities are issued as "restricted securities" (as defined in Rule 144) and carry no registration rights that require or permit the filing of any registration in which the Company is issuing securities primarily for the purpose of raising capital or to an entity whose primary business is investing in securities and (d) the issuance of Common Stock and securities exercisable or exchangeable for or convertible into Common Stock to Affiliates and Subsidiaries of the Company, however, that such securities are issued as "restricted securities" (as defined in Rule 144) and carry no registration rights that require or permit the filing of any registration statement in connection therewith within one hundred and twenty (120) days following the Closing Date, and any sales by parties to the lock-ups shall be subject to the lock-up agreements.

- "FCPA" means the Foreign Corrupt Practices Act of 1977, as amended.
- "FINRA" means the Financial Industry Regulatory Authority, Inc.
- "GAAP" shall have the meaning ascribed to such term in Section 3.1(i).
- "Indebtedness" means (a) any liabilities for borrowed money or amounts owed in excess of \$500,000 (other than trade accounts payable incurred in the ordinary course of business), (b) 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 (c) the present value of any lease payments in excess of \$500,000 due under leases required to be capitalized in accordance with GAAP.
 - "Liens" means a lien, charge, pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.
- "Lock-Up Agreements" means the lock-up agreements by each of the Company's executive officers and directors in favor of the Underwriter, in the form of Exhibit A attached hereto.
- "Material Adverse Effect" means (i) a material adverse effect on the legality, validity or enforceability of any Transaction Document, (ii) a material adverse effect on the results of operations, assets, business, prospects (as such prospects are disclosed in the Prospectus including the Base Prospectus as so supplemented) or condition (financial or otherwise) of the Company and the Subsidiaries, taken as a whole or (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.
 - "Option Closing Date" shall have the meaning ascribed to such term in Section 2.2(b).
 - "Option Securities" shall have the meaning ascribed to such term in Section 2.2(a).
 - "Over-Allotment Option" shall have the meaning ascribed to such term in Section 2.2(a).
- "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.
 - "Permitted Free Writing Prospectus" shall have the meaning ascribed to such term in Section 4.2(d).
- "Pre-funded Warrants" shall have the meaning ascribed to such term in Section 2.1(a) and the terms described in the Registration Statement.
 - "Preliminary Prospectus" shall have the meaning ascribed to such term in Section 3.1(f).
- "Pricing Disclosure Package" means the Pricing Prospectus and the information included on Schedule 2-A hereto, all considered together.
- "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" shall have the meaning ascribed to such term in Section 3.1(f).
- "Prospectus Supplement" means, any supplement to the Base Prospectus relating to the Securities complying with Rule 424(b) and Rule 430B of the Securities Act that is filed with the Commission.

- "Public Offering Price" shall have the meaning ascribed to such term in Section 2.1(a).
- "Registration Statement" shall have the meaning ascribed to such term in Section 3.1(f).
- "Required Approvals" shall have the meaning ascribed to such term in Section 3.1(e).
- "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.
- "Rule 430" means Rule 430 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(i).
 - "Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.
 - "Securities Act Regulations" shall have the meaning ascribed to such term in Section 3.1(e).
 - "Securities" shall have the meaning ascribed to such term in Section 2.2(a).
 - "Warrants" shall have the meaning ascribed to such term in Section 2.1(a) and the terms described in the Registration Statement.
 - "Warrant Agency Agreement" shall have the meaning ascribed to such term in Section 2.3(g).
- "Subsidiary" means any subsidiary of the Company the voting stock of which is more than 50% owned or controlled by the Company and shall, where applicable, also include any direct or indirect subsidiary of the Company the voting stock of which is more than 50% owned or controlled by 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, OTCQX or OTCQB (or any successors to any of the foregoing).
- "Transaction Documents" means this Agreement, the Pre-funded Warrant Certificates, Warrant Agency Agreement, the Lock-Up Agreements, and any other documents or agreements executed in connection with the transactions contemplated hereunder.
 - "Transfer Agent" means Equiniti Trust Company, and any successor transfer agent of the Company.
- "Underwriter's Counsel" means Kaufman & Canoles, P.C., with offices located at 1021 E. Cary Street, Suite 1400, Two James Center, Richmond, VA 23219.
- "Variable Rate Transaction" means a transaction in which the Company (i) issues or sells any Common Stock Equivalents either (A) at a conversion price, exercise price or exchange rate or other price that is based upon, and/or varies with, the trading prices of or quotations for the Common Stock at any time after the initial issuance of such debt or equity securities or (B) with a conversion, exercise or exchange price that is subject to being reset at some future date after the initial issuance of such debt or equity security or upon the occurrence of specified or contingent events directly or indirectly related to the business of the Company or the market for the Common Stock, other than in connection with customary anti-dilution adjustments resulting from future stock splits, stock dividends or similar transactions, or (ii) issues or sells any amortizing convertible security that amortizes prior to its maturity date, whereby it is required to or has the option to (or the investor in such security has the option to require the Company to) make such amortization payments in Common Stock (whether or not such payments in stock are subject to certain equity conditions) or (iii) enters into any agreement, including, but not limited to, an equity line of credit, whereby it may sell securities at a future determined price.

ARTICLE II. PURCHASE AND SALE

2.1 Closing.

(a) Upon the terms and subject to the conditions set forth herein, the Company agrees to issue and sell to the Underwriter, in the aggregate, 1,882,353 units (each, a "Closing Unit"), with each Closing Unit consisting of either (A) one share of Common Stock (collectively, the "Closing Shares") and two warrants to purchase one share each of Common Stock at an exercise price of \$4.25 (representing 100% of the Closing Unit offering price (the "Public Offering Price") per whole share (the "Warrant") (each a "Closing Common Unit"); or (B) one pre-funded warrant (each, a "Pre-funded Warrant") to purchase one share of Common stock at an exercise price of \$0.001 until such time as the Pre-funded Warrant is exercised in full subject to adjustment as provided in the Pre-funded Warrant and two Warrants (each, a "Closing Pre-funded Unit").

The shares of Common Stock referred to in this Section 2.1(a) are hereinafter referred to as the "Closing Shares", the Warrants referred to in this Section 2.1(a) are hereinafter referred to as the "Closing Warrants", and the Pre-funded Warrants referred to in this Section 2.1(a) are hereinafter referred to as the "Closing Pre-funded Warrants". No Closing Common Units will be certificated, and the Closing Shares and the Closing Warrants comprising the Closing Common Units will be separated immediately upon issuance. No Closing Pre-funded Units will be separated immediately upon issuance.

(b) The Underwriter agrees to purchase from the Company the number of Closing Units, as set forth opposite its name on Schedule 1 attached hereto and made a part hereof at a purchase price of \$3.91 per Closing Common Unit (representing 92% of the Public Offering Price), which purchase price will be allocated as \$3.89 per Closing Share and \$0.01 per each of two Closing Warrants, and at a purchase price of \$3.909 per Closing Pre-funded Unit (representing 92% of the Public Offering Price minus \$0.001), which purchase price will be allocated as \$3.889 per Closing Pre-funded Warrant, \$0.01 per each of two Closing Warrants. The Closing Common Units are to be offered to the public at the Public Offering Price and the Closing Pre-funded Units are to be offered to the public at the Public Offering Price less \$0.001 (being the per share exercise price of a Pre-funded Warrant).

(c) Payment for the Closing Units shall be made on the Closing Date by wire transfer in federal (same day) funds, payable to the order of the Company upon delivery of the certificates (in form and substance satisfactory to the Underwriter) representing the Closing Units (or, except in the case of Pre-funded Warrants, through the facilities of the Depository Trust Company ("DTC")) for the account of the Underwriter. The Closing Units shall be registered in such name or names and in such authorized denominations as the Underwriter may request in writing prior to the Closing Date. The Company shall not be obligated to sell or deliver the Closing Units except upon tender of payment by the Underwriter for all of the Closing Units.

2.2 Over-Allotment Option.

(a) For the purposes of covering any over-allotments in connection with the distribution and sale of the Closing Shares, the Underwriter is hereby granted an option (the "Over-Allotment Option") to purchase, in the aggregate, up to 282,352 additional shares of Common Stock and/or Pre-funded Warrants, representing 15% of the Closing Shares and Closing Pre-funded Warrants sold in the offering from the Company (the "Option Shares" or "Option Pre-funded Warrants," as applicable) and/or up to 564,704 additional Warrants to purchase an aggregate of an additional 564,704 shares of Common Stock, representing 15% of the Closing Warrants sold in the offering from the Company (the "Option Warrants"). The purchase price to be paid per Option Share or Option Pre-funded Warrant shall be equal to the price per Closing Share set forth in Section 2.1(b) hereof, and the purchase price to be paid per Option Warrant shall be equal to the price per Closing Warrant set forth in Section 2.1 (b) hereof. The Over-allotment Option is, at the Underwriter's sole discretion, for Option Shares, Option Pre-funded Warrants, and Option Warrants together, solely Option Shares, solely Option Pre-Funded Warrant, solely Option Warrants, or any combination thereof (each, an "Option Security" and collectively, the "Option Securities"). The Closing Units and the Option Securities are collectively referred to as the "Securities." The Securities and the shares of Common Stock issuable upon exercise of the Warrants and Pre-Funded Warrants (the "Underlying Shares"), are collectively referred to as the "Public Securities." The Public Securities shall be issued directly by the Company and shall have the rights and privileges described in the Registration Statement, the Pricing Disclosure Package and the Prospectus. The Closing Warrants, the Closing Prefunded Warrants, the Option Pre-funded Warrants, and the Option Warrants shall be issued pursuant to, and shall have the rights and privileges set forth in, a warrant agent agreement, dated on or before the Closing Date, between the Company and Equiniti Trust Company as warrant agent. The certificate (the "Pre-funded Warrant Certificate") evidencing the Closing Pre-funded Warrants and the Option Pre-funded Warrants, if any, will be in the form attached hereto as Exhibit B. The offering and sale of the Public Securities is herein referred to as the "Offering".

- (b) The Over-allotment Option granted pursuant to Section 2.2(a) hereof may be exercised by the Underwriter as to all (at any time) or any part (from time to time) of the Option Securities within 45 days after the Effective Date. The Underwriter shall not be under any obligation to purchase any Option Securities prior to the exercise of the Over-allotment Option. The Over-allotment Option granted hereby may be exercised by the giving of oral notice to the Company from the Underwriter, which must be confirmed in writing by overnight mail, email, facsimile or other electronic transmission setting forth the number of Option Securities to be purchased and the date and time for delivery of and payment for the Option Securities (the "Option Closing Date"), which shall not be later than one (1) full Business Days after the date of the notice or such other time as shall be agreed upon by the Company and the Underwriter, at the offices of Underwriter Counsel or at such other place (including remotely by facsimile, email or other electronic transmission) as shall be agreed upon by the Company and the Underwriter. If such delivery and payment for the Option Securities does not occur on the Closing Date, the Option Closing Date will be as set forth in the notice. Upon exercise of the Overallotment Option with respect to all or any portion of the Option Securities, subject to the terms and conditions set forth herein, (i) the Company shall become obligated to sell to the Underwriter the number of Option Securities specified in such notice and (ii) the Underwriter shall purchase the total number of Option Securities then being purchased.
- (c) Payment for the Option Securities shall be made on the Option Closing Date by wire transfer in federal (same day) funds, payable to the order of the Company upon delivery to the Underwriter of certificates (in form and substance satisfactory to the Underwriter) representing the Option Securities (or through the facilities of DTC) for the account of the Underwriter. The applicable number of Option Securities shall be registered in such name or names and in such authorized denominations as the Underwriter may request in writing prior to the Option Closing Date. The Company shall not be obligated to sell or deliver the Option Securities except upon tender of payment by the Underwriter for applicable Option Securities. An Option Closing Date may be simultaneous with, but not earlier than, the Closing Date; and in the event that such time and date are simultaneous with the Closing Date, the term "Closing Date" shall refer to the time and date of delivery of the Closing Units and the applicable Option Securities.
 - 2.3 Deliveries. The Company shall deliver or cause to be delivered to the Underwriter (if applicable) the following:
- (a) At the Closing Date, the Closing Shares and, as to each Option Closing Date, if any, the applicable Option Shares, which shares shall be delivered via The Depository Trust Company Deposit or Withdrawal at Custodian system for the accounts of the Underwriter;
- (b) On the Closing Date and each Option Closing Date, a legal opinion and negative assurance letter of Company Counsel addressed to the Underwriter, in customary form and substance reasonably satisfactory to the Underwriter;
- (c) On the Execution Date, a cold comfort letter, dated as of the Execution Date, addressed to the Underwriter and in customary form and substance reasonably satisfactory to the Underwriter from the Company Auditor and a customary bring-down letter dated as of the Closing Date and each Option Closing Date, if any;
- (d) On the Closing Date and on each Option Closing Date, the duly executed and delivered Officers' Certificate, in customary form and substance reasonably satisfactory to the Underwriter;
- (e) On the Closing Date and on each Option Closing Date, the duly executed and delivered Secretary's Certificate, in customary form and substance reasonably satisfactory to the Underwriter; and
- (f) On or before the Execution Date, the duly executed and delivered Lock-Up Agreements from each of the Company's officers and directors.
- (g) On the Closing Date, duly executed and delivered copies of the warrant agency agreement regarding the Warrants (the "Warrant Agency Agreement") and the warrant agency agreement regarding the Pre-funded Warrants (the "Pre-funded Warrant Agency Agreement"), each dated as of the date of this Agreement and by and between the Company and Equiniti Trust Company, as Warrant Agent.
- (h) On each of the Closing Date and any Option Closing Date, the Company shall have delivered to the Underwriter executed copies of the Pre-funded Warrant Certificates.

- 2.4 <u>Closing Conditions</u>. The respective obligations of the Underwriter hereunder in connection with the Closing and each Option Closing Date are subject to the following conditions being met:
- (a) the accuracy in all material respects when made and on the date in question (other than representations and warranties of the Company already qualified by materiality, which shall be true and correct in all respects) of the representations and warranties of the Company contained herein (unless as of a specific date therein);
- (b) all obligations, covenants and agreements of the Company required to be performed at or prior to the date in question shall have been performed in all material respects;
 - (c) the delivery by the Company of the items set forth in Section 2.3 of this Agreement;
- (d) the Registration Statement shall be effective on the date of this Agreement and, at each of the Closing Date and each Option Closing Date, if any, no stop order suspending the effectiveness of the Registration Statement shall have been issued and no proceedings for that purpose shall have been instituted or shall be pending or contemplated by the Commission and any request on the part of the Commission for additional information shall have been complied with to the reasonable satisfaction of the Underwriter;
 - (e) the Closing Shares, the Option Shares and the Underlying Shares have been approved for listing on the Trading Market;
- (f) prior to and on each of the Closing Date and each Option Closing Date, if any: (i) there shall have been no material adverse change or development involving a prospective material adverse change in the condition or prospects or the business activities, financial or otherwise, of the Company from the latest dates as of which such condition is set forth in the SEC Reports; (ii) no action, suit or proceeding, at law or in equity, shall have been pending or threatened against the Company or any Affiliate of the Company before or by any court or federal or state commission, board or other administrative agency that would, as of the Closing Date or any Option Closing Date, as the case may be, prevent the issuance or sale of the Securities or wherein an unfavorable decision, ruling or finding may materially adversely affect the business, operations, prospects (as such prospects are disclosed in the Prospectus) or financial condition or income of the Company, except as set forth in the Registration Statement and Prospectus; (iii) no stop order shall have been issued under the Securities Act and no proceedings therefor shall have been initiated or threatened by the Commission; (iv) the Company shall not have incurred any material liabilities or obligations, direct or contingent, that are not disclosed in the Registration Statement and Prospectus, other than such liabilities as may be incurred in the ordinary course of the Company's business consistent with past practices, and the Company shall not have entered into any material transactions not in the ordinary course of business that are not disclosed in the Registration Statement and Prospectus, other than pursuant to this Agreement and the transactions referred to herein; (v) the Company has not paid or declared any dividends or other distributions of any kind on any class of its capital stock; (vi) the Company has not altered its method of accounting in any material respect; and (vii) the Registration Statement and the Prospectus and any amendments or supplements thereto shall contain all material statements which are required to be stated therein in accordance with the Securities Act and the rules and regulations thereunder and shall conform in all material respects to the requirements of the Securities Act and the rules and regulations thereunder, and neither the Registration Statement nor the Prospectus nor any amendment or supplement thereto shall 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, in light of the circumstances under which they were made, not misleading.

ARTICLE III. REPRESENTATIONS AND WARRANTIES

- 3.1 <u>Representations and Warranties of the Company</u>. The Company represents and warrants to the Underwriter as of the Applicable Time, as follows:
- (a) <u>Subsidiaries</u>. All of the direct and indirect Subsidiaries of the Company, if any, are identified in the Registration Statement, except where the failure to name a Subsidiary would not be reasonably expected to have a Material Adverse Effect. The Company owns, directly or indirectly, all of the capital stock or other equity interests of each Subsidiary free and clear of any Liens, 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.

- (b) Organization and Qualification. 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 material 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 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 reasonably been expected to result in a Material Adverse Effect, 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</u>; <u>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 to which it is a party and otherwise to carry out its obligations hereunder and thereunder. The execution and delivery of this Agreement and each of the other Transaction Documents to which it is a party 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 or the Company's shareholders. This Agreement has been duly executed and delivered by the Company. Other than this Agreement, the Transaction Documents to which the Company 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 all 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, 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 having jurisdiction over the Company or any of its assets or businesses (each, a "Governmental Entity"); 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.
- (e) <u>Filings, Consents and Approvals</u>. No consent, authorization or order of, and no filing with, any court, government agency, or other body is required for the valid issuance, sale and delivery of the Securities and the consummation of the transactions and agreements contemplated by the Transaction Documents, except with respect to applicable Securities Act laws and the rules and regulations of the Commission under the Securities Act (the "Securities Act Regulations"), state securities laws, the rules and regulations of FINRA, and the approval to list the Securities, as applicable, by the applicable Trading Market (collectively, the "Required Approvals").
- (f) Registration Statements. The Company has filed with the Commission a registration statement, and an amendment or amendments thereto, on Form S-1 (File No. 333-259394), including any related prospectus or prospectuses, which registration statement was declared effective on February 14, 2022, for the registration of the sale of certain securities of the Company, including the Closing Shares and Over-Allotment Shares under the Securities Act, and the rules and regulations of the Commission promulgated thereunder. Such registration statement, including amendments thereto (including post effective amendments thereto) and all documents and information deemed to be a part of the Registration Statement through incorporation by reference or otherwise at the time of effectiveness thereof (the "Effective Time"), the exhibits and any schedules thereto at the Effective Time or thereafter during the period of effectiveness and the documents and information otherwise deemed to be a part thereof or included therein by the Securities Act or otherwise pursuant to the Rules and Regulations at the Effective Time or thereafter during the period of effectiveness, is herein called the "Registration Statement." If the Company has filed or files an abbreviated registration statement pursuant to Rule 462(b) under the Securities Act (the "Rule 462 Registration Statement"), then any reference herein to the term Registration Statement shall include such Rule 462 Registration Statement. Any preliminary prospectus included in the Registration Statement or filed with the Commission pursuant to Rule 424(a) under the Securities Act is hereinafter called a "Preliminary Prospectus." The Preliminary Prospectus relating to the Securities that was included in the Registration Statement immediately prior to the pricing of the offering contemplated hereby is hereinafter called the "Pricing Prospectus."

The Company is filing with the Commission pursuant to Rule 424 under the Securities Act a final prospectus covering the Securities, which includes the information permitted to be omitted therefrom at the Effective Time by Rule 430A under the Securities Act. Such final prospectus, as so filed, is hereinafter called the "Final Prospectus." Each of the Final Prospectus, the Pricing Prospectus and any preliminary prospectus in the form in which they were included in the Registration Statement or filed with the Commission pursuant to Rule 424 under the Securities Act is hereinafter called a "**Prospectus**." Reference made herein to any Preliminary Prospectus, the Pricing Prospectus or to the Prospectus shall be deemed to refer to and include any documents incorporated by reference therein.

Any reference in this Agreement to the Registration Statement, the Preliminary Prospectus, the Pricing Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated or deemed incorporated by reference therein (the "Incorporated Documents") pursuant to the Registration Statement, and the rules and regulations of the Commission promulgated thereunder, on or before the date of this Agreement, or the issue date of the Preliminary Prospectus, the Pricing Prospectus or the Prospectus, as the case may be; and any reference in this Agreement to the terms "amend," "amendment" or "supplement" with respect to the Registration Statement, the Preliminary Prospectus, the Pricing Prospectus or the Prospectus or the Prospectus shall be deemed to refer to and include the filing of any document under the Exchange Act after the date of this Agreement, or the issue date of the Preliminary Prospectus, the Pricing Prospectus or the Prospectus, as the case may be, deemed to be incorporated therein by reference. All references in this Agreement to financial statements and schedules and any other information which is "contained," "included," "described," "referenced," "set forth" or "stated" in the Registration Statement, the Preliminary Prospectus, the Pricing Prospectus (and all other references of like import) shall be deemed to mean and include all such financial statements and schedules and any other information which is or is deemed to be incorporated by reference in the Registration Statement, the Preliminary Prospectus, the Pricing Prospectus or the Prospectus or the Prospectus, as the case may be.

The Company will not, without the prior consent of the Underwriter, prepare, use or refer to, any free writing prospectus in connection with the Offering. For purposes of this Agreement, "free writing prospectus" has the meaning set forth in Rule 405 under the Securities Act.

(g) <u>Issuance of Securities</u>. The Securities are duly authorized for issuance and sale pursuant to this Agreement and, when issued and paid for in accordance with the applicable Transaction Documents, will be duly and validly issued, fully paid and non-assessable, 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. The holders of the Securities will not be subject to personal liability by reason of being such holders. The Securities are not and will not be subject to the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company. All corporate action required to be taken for the authorization, issuance and sale of the Securities has been duly and validly taken. The Securities conform in all material respects to all statements with respect thereto contained in the Registration Statement.

(h) Capitalization. Except as could not have or reasonably be expected to result in a Material Adverse Effect, all issued and outstanding securities of the Company issued prior to the transactions contemplated by this Agreement have been duly authorized and validly issued and are fully paid and non-assessable; and none of such securities were issued in violation of the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company. The authorized share capital of the Company is as set forth in the Registration Statement as of the date indicated therein, and conforms in all material respects to all statements relating thereto contained in the Registration Statement and the Prospectus. The initial offers and sales by the Company of the outstanding shares of Common Stock were at all relevant times either registered under the Securities Act and the applicable state securities or Blue Sky laws or, based in part on the representations and warranties of the purchasers of the outstanding shares of Common Stock, exempt from such registration requirements. Except as disclosed in SEC Reports or in the Registration Statement, the Company has not issued any capital stock since December 31, 2020, in an amount required to be disclosed in the Registration Statement. 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. Except as a result of the purchase and sale of the Securities and as set forth in the Registration Statement or the SEC Reports, 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 exercisable or exchangeable for, or giving any Person any right to subscribe for or acquire, any shares of Common Stock, 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. The issuance and sale of the Securities will not obligate the Company to issue shares of Common Stock or other securities to any Person (other than the Underwriter) and will not result in a right of any holder of Company securities to adjust the exercise, conversion, exchange or reset price under any of such securities. Except as disclosed in the Registration Statement or the SEC Reports, there are no shareholder 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 shareholders.

- (i) SEC Reports; Financial Statements. The Company has filed all reports, schedules, forms, statements and other documents required to be filed by the Company under the Exchange Act, including pursuant to Section 13(a) or 15(d) thereof, for the two 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, being collectively referred to herein as the "SEC Reports") 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, except that, the Company filed Form 8-Ks late on June 24, 2020 and October 19, 2020. 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 financial statements of the Company included in the Registration Statement 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 ("GAAP"), 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 Subsidiaries as of and for the dates thereof and the results of operations and cash flows for the periods then ended, subject, in the case of unaudited statements, to normal, immaterial, year-end audit adjustments.
- (j) <u>Material Agreements</u>. The agreements and documents described in the Registration Statement conform in all material respects to the descriptions thereof contained therein and there are no agreements or other documents required by the Securities Act and the rules and regulations thereunder to be described in the Registration Statement or to be filed with the Commission as exhibits to the Registration Statement, that have not been so described or filed. Each agreement or other instrument (however characterized or described) to which the Company is a party or by which it is or may be bound or affected that has been filed or incorporated by reference as an exhibit pursuant to Item 601(b)(4) or (10) of Regulation S-K to the Registration Statement or identified in a Current Report on Form 8-K filed by the Company pursuant to Item 1.01 or 2.03 of such Form 8-K since December 31, 2020 (each, a "Material Contract"), is in full force and effect in all material respects and is enforceable against the Company in accordance with its terms. To the best of the Company's knowledge, performance by the Company of the material provisions of such Material Contracts will not result in a material violation of any existing applicable law, rule, regulation, judgment, order or decree of any governmental agency or court, domestic or foreign, having jurisdiction over the Company or any of its assets or businesses, including, without limitation, those relating to environmental laws and regulations.
- (k) Material Changes; Undisclosed Events, Liabilities or Developments. Since December 31, 2020, except as specifically disclosed in a subsequent SEC Report filed prior to the date hereof or in the Registration Statement: (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 SEC Reports or the Registration Statement, (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, (v) the Company has not issued any equity securities to any officer, director or Affiliate, except pursuant to existing Company stock option plans and (vi) except as disclosed in the Registration Statement no officer or director of the Company has resigned from any position with the Company. Except for the issuance of the Securities contemplated by this Agreement, 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 or its Subsidiaries or their respective businesses, properties, operations, assets or financial condition that would be required to be disclosed by the Company under applicable securities laws at the time this representation is made or deemed made that has not been publicly disclosed at least one (1) Trading Day prior to the date that this representation is made. Unless otherwise disclosed in the SEC Reports filed prior to the date hereof, the Company has not declared or paid any dividend or made any oth
- (l) <u>Litigation</u>. There is no action, suit, proceeding, inquiry, arbitration, investigation, litigation or governmental proceeding pending or, to the Company's knowledge, threatened against, or involving the Company or, to the Company's knowledge, any executive officer or director which has not been disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus and which is required to be disclosed, in each case which, individually or in the aggregate, is reasonably expected to result in a Material Adverse Change. The Commission has not issued any stop order or other order suspending the effectiveness of the Registration Statement.

- (m) <u>Labor Relations</u>. No labor dispute with the employees of the Company or any of its Subsidiaries exists or, to the knowledge of the Company, is imminent
- (o) <u>Compliance</u>. No material default exists in the due performance and observance of any term, covenant or condition of any material license, contract, indenture, mortgage, deed of trust, note, loan or credit agreement, or any other material agreement or instrument evidencing an obligation for borrowed money, or any other material agreement or instrument to which the Company is a party or by which the Company may be bound or to which any of the properties or assets of the Company is subject. The Company is not (i) in violation of any term or provision of its charter or bylaws, or (ii) in violation of any franchise, license, permit, applicable law, rule, regulation, judgment or decree of any Governmental Entity, except in the cases of clause (ii) for such violations which would not reasonably be expected, individually or in the aggregate, to cause a Material Adverse Effect.
- (p) <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 (each, a "**Material Permit**"). The disclosures in the Registration Statement concerning the effects of Federal, State, local and all foreign regulation on the Company's business as currently contemplated are correct in all material respects.
- (q) <u>Title to Assets</u>. Except as disclosed in the SEC Reports or in the Registration Statement, the Company and the Subsidiaries have good and marketable title in fee simple to, or have valid and marketable rights to lease or otherwise use, all real property and all personal property 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 that 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 in accordance with GAAP, and the payment of which is neither delinquent nor subject to penalties. Neither the Company nor any of its Subsidiaries has any written notice of any claim of any sort that has been asserted by anyone adverse to the rights of the Company or its Subsidiaries under any of the leases or subleases or licenses or with respect to the properties mentioned above, or affecting or questioning the rights of the Company or any Subsidiary to the continued possession or use of the leased or subleased or licensed premises or the properties mentioned above, other than such claims which would not, individually or in the aggregate, reasonably be expected to have a Material Adverse Effect.
- (r) Intellectual Property. The Company and its Subsidiaries own, possess, license or have other rights to use copyrights, trademarks, service marks, trade names, Internet domain names, technology, know-how (including trade secrets and other unpatented and/or unpatentable proprietary rights) and other intellectual property necessary or used in any material respect to conduct their respective businesses in the manner in which they are being conducted and in the manner which is contemplated as set forth in the Registration Statement (collectively, the "Intellectual Property"). (i) None of the Intellectual Property is unenforceable or invalid; (ii) except as set forth or incorporated in the SEC Reports or in the Registration Statement, the Company has not received any notice of violation or conflict with (and the Company has no knowledge of any basis for violation or conflict with) rights of others with respect to the Intellectual Property; and (iii) except as set forth or incorporated in the Registration Statement, there are no pending or, to the Company's knowledge after due inquiry, threatened actions, suits, proceedings or claims by others that allege any of the Company or a Subsidiary is infringing any patent, trade secret, trademark, service mark, copyright or other intellectual property or proprietary right, except as would not, individually or in the aggregate, have a Material Adverse Effect. To the Company's knowledge, the discoveries, inventions, products or processes of the Company or any Subsidiary set forth or incorporated in the Registration Statement, do not violate or conflict with any intellectual property or proprietary right of any third Person, or any discovery, invention, product or process that is the subject of a patent application filed by any third Person; no officer, director or employee of the Company or any Subsidiary is in or has ever been in violation of any term of any patent non-disclosure agreement, invention assignment agreement, or similar agreement relating to the protection, ownership, development use or transfer of the Intellectual Property or, to the Company's knowledge, any other intellectual property, except where any violation would not, individually or in the aggregate, have a Material Adverse Effect. The Company is not in material breach of and has complied in all material respects with all terms of, any license or other agreement relating to the Intellectual Property. To the extent any Intellectual Property is sublicensed to any of the Company or a Subsidiary by a third party, such sublicensed rights shall continue in full force and effect if the principal third party license terminates for any reason. There are no contracts or other documents related to the Intellectual Property required to be described in or filed as an exhibit to the Registration Statement other than those described in or filed as an exhibit to the Registration Statement. The Company is not subject to any non-competition or other similar restrictions or arrangements relating to any business or service anywhere in the world, except as would not, individually or in the aggregate, have a Material Adverse Effect. The Company has taken all necessary and reasonably appropriate steps to protect and preserve the confidentiality of applicable Intellectual Property ("Confidential Information"). All use or disclosure of Confidential Information owned by the Company or any Subsidiary by or to a third party has been pursuant to a written agreement between the Company or such Subsidiary and such third party, except as would not, individually or in the aggregate, have a Material Adverse Effect. All use or disclosure of Confidential Information not owned by the Company or any Subsidiary has been pursuant to the terms of a written agreement between the Company or such Subsidiary and the owner of such Confidential Information, or is otherwise lawful, except as would not, individually or in the aggregate, have a Material Adverse Effect.

- (s) <u>Insurance</u>. As of the Closing Date, the Company will carry or be entitled to the benefits of insurance, (including, without limitation, as to directors and officers insurance coverage), with, to the Company's knowledge, reputable insurers, in the amount of directors and officers insurance coverage at least equal to one million and all such insurance is in full force and effect. The Company has no reason to believe that it will not be able (i) to renew such insurance coverage as and when such policies expire or (ii) to obtain comparable coverage from similar institutions as may be necessary or appropriate to conduct its business as now conducted.
- (t) <u>Transactions With Affiliates and Employees</u>. Except as set forth in the Registration Statement, there are no business relationships or related party transactions involving the Company or any other person required to be described therein that have not been described as required by the Securities Act regulations.
- (u) <u>Sarbanes-Oxley; Internal Accounting Controls.</u> The Company and the Subsidiaries are in material compliance with any and all applicable requirements of the Sarbanes-Oxley Act of 2002 that are effective as of the date hereof, 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. Except as disclosed in the SEC Reports or in the Registration Statement, 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. Except as disclosed in the SEC Reports or in the Registration Statement, 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 information required to be disclosed by the Company in the reports it will file or submit under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the Commission's rules and forms.
- (v) <u>Certain Fees</u>. Except as set forth in the Prospectus, no brokerage or finder's fees or commissions are or will be payable by the Company, any Subsidiary or Affiliate of the Company 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. There are no other arrangements, agreements or understandings of the Company or, to the Company's knowledge, any of its stockholders that may affect the Underwriter's compensation, as determined by FINRA. Except as set forth in the Registration Statement, , the Company has not made any direct or indirect payments (in cash, securities or otherwise) in connection with the Offering to: (i) any person, as a finder's fee, consulting fee or otherwise, in consideration of such person raising capital for the Company or introducing to the Company persons who raised or provided capital to the Company; (ii) any FINRA member; or (iii) any person or entity that has any direct or indirect affiliation or association with any FINRA member, within the twelve months prior to the Execution Date. None of the net proceeds of the Offering will be paid by the Company to any participating FINRA member or its affiliates, except as specifically authorized herein.
- (w) <u>Investment Company</u>. The Company is not, and immediately after receipt of payment for the Securities and the application of the proceeds thereof will not be, required to register as an "investment company" within the meaning of the Investment Company Act of 1940, as amended.
- (x) <u>Registration Rights</u>. No holders of any securities of the Company or any rights exercisable for or convertible or exchangeable into securities of the Company have the right to require the Company to register any such securities of the Company under the Securities Act by reason of the transactions contemplated by this Agreement.
- (y) <u>Listing and Maintenance Requirements</u>. By the Closing Date, the Closing Shares, the Option Shares and the Underlying Shares have been approved for listing on the NASDAQ Stock Market (the "Exchange"), and the Company has taken no action designed to, or likely to have the effect of, delisting of the Closing Shares, the Option Shares or the Underlying Shares from the Exchange, nor has the Company received any notification that the Exchange is contemplating terminating such listing. 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 of the Depository Trust Company (or such other established clearing corporation) in connection with such electronic transfer.

(z) <u>Disclosure</u>; 10b-5. The Registration Statement (and any further documents to be filed with the Commission) contains all exhibits and schedules as required by the Securities Act. Each of the Registration Statement and any post-effective amendment thereto, at the time it became effective in respect of the Underwriter, complied in all material respects with the Securities Act and the Exchange Act and the applicable rules and regulations under the Securities Act and did not and, as amended or supplemented, if applicable, will not, contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading. Each Preliminary Prospectus, and the Prospectus, at the time each was filed with the Commission, complied in all material respects with the requirements of the Securities Act and Securities Act Regulations. Each Preliminary Prospectus delivered to the Underwriter for use in connection with this Offering and the Prospectus was or will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

(aa) <u>Regulations</u>. The Pricing Disclosure Package, as of the date thereof and the Applicable Time, at the Closing Date or at any Option Closing Date (if any), did not, does not and will not include 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. No post-effective amendment to the Registration Statement reflecting any facts or events arising after the date thereof which represent, individually or in the aggregate, a fundamental change. There are no documents required to be filed with the Commission in connection with the transactions contemplated hereby that (x) have not been filed as required pursuant to the Securities Act or (y) will not be filed within the requisite time period. There are no contracts or other documents required to be described in the Base Prospectus or any Prospectus Supplement, or to be filed as exhibits or schedules to the contained in the Registration Statement, which have not been described or filed as required. The Preliminary Prospectus, the Pricing Prospectus or the Prospectus taken as a whole do not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.

Neither the Prospectus nor any amendment or supplement thereto (including any prospectus wrapper), as of its issue date, at the time of any filing with the Commission pursuant to Rule 424(b), at the Closing Date or at any Option Closing Date, included, includes or will include an untrue statement of a material fact or omitted, omits or will 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 and when made, not misleading.

(bb) No Integrated Offering. To the Company's knowledge, 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 to be integrated with prior offerings by the Company for purposes of any applicable shareholder approval provisions of any Trading Market on which any of the securities of the Company are listed or designated.

(cc) Tax Status. 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. The provisions for taxes payable, if any, shown on the financial statements filed with or as part of the Registration Statement are sufficient for all accrued and unpaid taxes, whether or not disputed, and for all periods to and including the dates of such consolidated financial statements. The term "taxes" mean all federal, state, local, foreign, and other net income, gross income, gross receipts, sales, use, ad valorem, transfer, franchise, profits, license, lease, service, service use, withholding, payroll, employment, excise, severance, stamp, occupation, premium, property, windfall profits, customs, duties or other taxes, fees, assessments, or charges of any kind whatsoever, together with any interest and any penalties, additions to tax, or additional amounts with respect thereto. The term "returns" means all returns, declarations, reports, statements, and other documents required to be filed in respect to taxes.

(dd) 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. The Company has taken reasonable steps to ensure that its accounting controls and procedures are sufficient to cause the Company to comply in all material respects with the FCPA.

- (ee) Accountants. To the knowledge of the Company, the Company Auditors, whose reports are filed with the Commission as part of the Registration Statement, are independent registered public accounting firms as required by the Exchange Act. Except as may otherwise be disclosed in the SEC Reports or the Registration Statement, the Company Auditors have not, during the periods covered by the financial statements incorporated by reference in the Prospectus, provided to the Company any non-audit services, as such term is used in Section 10A(g) of the Exchange Act.
- (ff) 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.
- (gg) <u>U.S. Real Property Holding Corporation</u>. 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 the Underwriter's request.
- (hh) <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 "BHCA") and to regulation by the Board of Governors of the Federal Reserve System (the "Federal Reserve"). 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. For the purposes of this Section 3.1 (hh), "Subsidiaries" and "Affiliates" shall not include American Pacific Bancorp, Inc.
- (ii) Money Laundering. 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 "Money Laundering Laws"), and no action, suit 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.
- (jj) <u>D&O Questionnaires</u>. To the Company's knowledge, without investigation, all information contained in the questionnaires completed by each of the Company's directors and officers immediately prior to the Offering as supplemented by all information concerning the Company's directors, officers and principal shareholders as described in the SEC Reports or in the Registration Statement, as well as in the Lock-Up Agreement provided to the Underwriter is true and correct in all material respects and the Company has not become aware of any information which would cause the information disclosed in such questionnaires become materially inaccurate and incorrect.
- (kk) FINRA Affiliation. To the Company's knowledge, and except as may otherwise be disclosed in FINRA questionnaires provided to the Underwriter's Counsel, no Company Affiliate has made a subordinated loan to any member of FINRA. No proceeds from the sale of the Securities (excluding underwriting compensation as disclosed in the Registration Statement and the Prospectus) will be paid to any FINRA member, any persons associated with a FINRA member or an affiliate of a FINRA member. Except as disclosed in the Registration Statement, the Company has not issued any warrants or other securities or granted any options, directly or indirectly, to the Underwriter within the 180-day period prior to the initial filing date of the Prospectus. Except for securities issued to the Underwriter as disclosed in the Prospectus and securities sold by the Underwriter on behalf of the Company, to the Company's knowledge no person to whom securities of the Company have been privately issued within the 180-day period prior to the initial filing date of the Prospectus is a FINRA member, is a person associated with a FINRA member or is an affiliate of a FINRA member. To the Company's knowledge, no FINRA member participating in the Offering has a conflict of interest with the Company. For this purpose, a "conflict of interest" exists when a FINRA member, the parent or affiliate of a FINRA member or any person associated with a FINRA member in the aggregate beneficially own 5% or more of the Company's outstanding subordinated debt or common equity, or 5% or more of the Company's preferred equity. "FINRA member participating in the Offering" includes any associated person of a FINRA member that is participating in the Offering, any member of such associated person's immediate family and any affiliate of a FINRA member that is participating in the Offering. "Any person associated with a FINRA member" means (1) a natural person who is registered or has applied for registration under the rules of FINRA and (2) a sole proprietor, partner, officer, director, or branch manager of a FINRA member, or other natural person occupying a similar status or performing similar functions, or a natural person engaged in the investment banking or securities business who is directly or indirectly controlling or controlled by a FINRA member. When used in this Section the term "affiliate of a FINRA member" or "affiliated with a FINRA member" means an entity that controls, is controlled by or is under common control with a FINRA member. The Company will advise the Underwriter and Underwriter's Counsel if it learns that any officer, director or owner of 5% or more of the Company's outstanding shares of Common Stock or Common Stock Equivalents is or becomes an affiliate or associated person of a FINRA member firm.

- (II) Officers' Certificate. Any certificate signed by any duly authorized officer of the Company and delivered to the Underwriter or Underwriter's Counsel shall be deemed a representation and warranty by the Company to the Underwriter as to the matters covered thereby.
- (mm) <u>Board of Directors</u>. The Board of Directors is comprised of the persons set forth in the Registration Statement. The qualifications of the persons serving as board members and the overall composition of the Board of Directors will comply with the Sarbanes-Oxley Act of 2002 and the rules promulgated thereunder applicable to the Company and the rules of the Trading Market. At least one member of the Board of Directors qualifies as a "financial expert" as such term is defined under the Sarbanes-Oxley Act of 2002 and the rules promulgated thereunder and the rules of the Trading Market. In addition, a majority of the persons serving on the Board of Directors qualifies as "independent" as defined under the rules of the Trading Market.
- (nn) <u>ERISA</u>. The Company has no "employee benefit plans" subject to the Employee Retirement Income Security Act of 1974, as amended, or the regulations and published interpretations thereunder.
- (oo) Options. Each option (if any) granted by the Company under the Company's equity incentive plans was granted (i) in accordance with the terms of the Company's equity incentive plan and (ii) with an exercise price at least equal to the fair market value of the Ordinary Shares on the date such option would be considered granted under GAAP and applicable law other than which would not result in a Material Adverse Effect. No option granted by the Company has been backdated. The Company has not knowingly granted, and there is no and has been no Company policy or practice to knowingly grant, options prior to, or otherwise knowingly coordinate the grant of options with, the release or other public announcement of material information regarding the Company or its Subsidiaries or their financial results or prospects.

ARTICLE IV. OTHER AGREEMENTS OF THE PARTIES

4.1 <u>Amendments to Registration Statement</u>. The Company has delivered, or will as promptly as practicable deliver (which delivery may be made electronically), to the Underwriter complete conformed copies of the Registration Statement and of each consent and certificate of experts, as applicable, filed as a part thereof, and conformed copies of the Registration Statement (without exhibits) and the Prospectus as amended or supplemented, in such quantities and at such places as the Underwriter reasonably requests. Neither the Company nor any of its directors and officers has distributed and none of them will distribute, prior to the Closing Date, any offering material in connection with the offering and sale of the Securities other than the Preliminary Prospectus, the Registration Statement, and any Permitted Free Writing Prospectus. The Company shall not file any such amendment or supplement to which the Underwriter shall reasonably object in writing.

4.2 Federal Securities Laws.

- (a) Compliance. During the time when a Preliminary Prospectus is required to be delivered under the Securities Act, the Company will use its best efforts to comply with all requirements imposed upon it by the Securities Act and the rules and regulations thereunder and the Exchange Act and the rules and regulations thereunder, as from time to time in force, so far as necessary to permit the continuance of sales of or dealings in the Securities in accordance with the provisions hereof and the Preliminary Prospectus. If at any time when a Preliminary Prospectus relating to the Securities is required to be delivered under the Securities Act, any event shall have occurred as a result of which, in the opinion of counsel for the Company or counsel for the Underwriter, the Preliminary Prospectus, as then amended or supplemented, includes an untrue statement of a material fact or omits to state any material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading, or if it is necessary at any time to amend the Prospectus to comply with the Securities Act, the Company will notify the Underwriter promptly and prepare and file with the Commission, subject to Section 4.1 hereof, an appropriate amendment or supplement in accordance with Section 10 of the Securities Act.
- (b) Filing of Prospectus. The Company will file the Prospectus (in form and substance satisfactory to the Underwriter) with the Commission pursuant to the requirements of Rule 424.
- (c) Exchange Act Registration. For a period from the date hereof to three (3) years from the Closing Date, the Company will use its commercially reasonable efforts to maintain the registration of the Closing Shares, the Option Shares and the Underlying Shares under the Exchange Act. The Company shall not deregister the Closing Shares, the Option Shares and the Underlying Shares under the Exchange Act without the prior written consent of the Underwriter during such period.

- (d) <u>Free Writing Prospectuses</u>. The Company represents and agrees that it has not made and will not make any offer relating to the Securities that would constitute an issuer free writing prospectus, as defined in Rule 433 of the rules and regulations under the Securities Act, without the prior written consent of the Underwriter. Any such free writing prospectus consented to by the Underwriter is herein referred to as a **"Permitted Free Writing Prospectus."** The Company represents that it will treat each Permitted Free Writing Prospectus as an "issuer free writing prospectus" as defined in rule and regulations under the Securities Act, and has complied and will comply with the applicable requirements of Rule 433 of the Securities Act, including timely Commission filing where required, legending and record keeping.
- 4.3 <u>Delivery to the Underwriter of Prospectuses</u>. The Company will deliver to the Underwriter, without charge, from time to time during the period when the Prospectus is required to be delivered under the Securities Act or the Exchange Act such number of copies of each Preliminary Prospectus as the Underwriter may reasonably request and, as soon as the Registration Statement or any amendment or supplement thereto becomes effective, the Registration Statement, including exhibits, and all post-effective amendments thereto and copies of all exhibits filed therewith or incorporated therein by reference and all executed consents of certified experts. Any such deliveries may be made electronically.
- 4.4 Effectiveness and Events Requiring Notice to the Underwriter. The Company will use its best efforts to cause the Registration Statement to remain effective with a current prospectus through and including the expiration date of the Warrants and the Pre-funded Warrants (or the date that all of the Warrants and Pre-funded Warrants have been exercised or duly redeemed, if earlier), and will promptly notify the Underwriter and confirm the notice in writing: (i) of the effectiveness of the Registration Statement and any amendment thereto; (ii) of the issuance by the Commission of any stop order or of the initiation, or the threatening, of any proceeding for that purpose; (iii) of the issuance by any state securities commission of any proceedings for that purpose; (iv) of the mailing and delivery to the Commission for filing of any amendment or supplement to the Registration Statement or Prospectus; (v) of the receipt of any comments or request for any additional information from the Commission; and (vi) of the happening of any event during the period described in this Section 4.4 that, in the judgment of the Company, makes any statement of a material fact made in the Registration Statement or the Prospectus untrue or that requires the making of any changes in the Registration Statement or the Prospectus in order to make the statements therein, in light of the circumstances under which they were made, not misleading. If the Commission or any state securities commission shall enter a stop order or suspend such qualification at any time, the Company will make every reasonable effort to obtain promptly the lifting of such order.
- 4.5 <u>Review of Financial Statements</u>. For a period of three (3) years from the Closing Date, the Company, at its expense, shall cause its regularly engaged independent registered public accountants to review (but not audit) the Company's financial statements for each of the first three fiscal quarters prior to the announcement of quarterly financial information.

4.6 Reports to the Underwriter and Expenses of the Offering.

- (a) General Expenses Related to the Offering. The Company hereby agrees to pay on each of the Closing Date and the Option Closing Date, if any, to the extent not paid at the Closing Date, all expenses incident to the performance of the obligations of the Company under this Agreement, including, but not limited to: (a) all filing fees and expenses relating to the registration of the Securities with the Commission; (b) all FINRA Public Offering filing fees; (c) all fees and expenses relating to the listing of the Company's equity or equity-linked securities on an Exchange; (d) reserved; (e) all fees, expenses and disbursements relating to the registration, qualification or exemption of the Securities under the securities laws of such foreign jurisdictions as the Underwriter may reasonably designate; (f) the costs of all mailing and printing of the Offering documents; (g) transfer and/or stamp taxes, if any, payable upon the transfer of Securities from the Company to the Underwriter; and (h) the fees and expenses of the Company's accountants; and (i) \$125,000 for fees and expenses including "road show", diligence, and reasonable legal fees and disbursements for the Underwriter's counsel. The Underwriter may deduct from the net proceeds of the Offering payable to the Company on the Closing Date, or the Option Closing Date, if any, the expenses set forth herein to be paid by the Company to the Underwriter; provided, however, that in the event that the Offering is terminated, the Company agrees to reimburse the Underwriter pursuant to Section 6.2 hereof.
- (b) Non-accountable Expenses. The Company further agrees that, in addition to the expenses payable pursuant to Section 4.6(a), on the Closing Date and any Option Closing Date it shall pay to the Underwriter, by deduction from the net proceeds of the Offering contemplated herein, a non-accountable expense allowance equal to one percent (1%) of the gross proceeds received by the Company from the sale of the Securities.
- 4.7 <u>Application of Net Proceeds</u>. The Company will apply the net proceeds from the Offering received by it in a manner consistent with the application described under the caption "Use of Proceeds" in the Prospectus.

- 4.8 <u>Delivery of Earnings Statements to Security Holders</u>. The Company will make generally available to its security holders as soon as practicable, but not later than the first day of the fifteenth full calendar month following the Execution Date, an earnings statement (which need not be certified by independent public or independent certified public accountants unless required by the Securities Act or the Rules and Regulations under the Securities Act, but which shall satisfy the provisions of Rule 158(a) under Section 11(a) of the Securities Act) covering a period of at least twelve consecutive months beginning after the Execution Date.
- 4.9 <u>Stabilization</u>. Neither the Company, nor, to its knowledge, any of its employees, directors or shareholders (without the consent of the Underwriter) has taken or will take, directly or indirectly, any action designed to or that has constituted or that might reasonably be expected to cause or result in, under the Exchange Act, or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resule of the Securities.
- 4.10 No Fiduciary Duties. The Company acknowledges and agrees that the Underwriter's responsibility to the Company is solely contractual and commercial in nature, based on arms-length negotiations and that neither the Underwriter nor their affiliates or any selected dealer shall be deemed to be acting in a fiduciary capacity, or otherwise owes any fiduciary duty to the Company or any of its affiliates in connection with the Offering and the other transactions contemplated by this Agreement. Notwithstanding anything in this Agreement to the contrary, the Company acknowledges that the Underwriter may have financial interests in the success of the Offering that are not limited to the difference between the price to the public and the purchase price paid to the Company by the Underwriter for the shares and the Underwriter have no obligation to disclose, or account to the Company for, any of such additional financial interests. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Underwriter with respect to any breach or alleged breach of fiduciary duty.
- 4.11 Securities Laws Disclosure; Publicity. At the request of the Underwriter, the Company shall issue a press release disclosing the material terms of the Offering, subject to the requirements of the Securities Act and the rules and regulations thereunder. The Company and the Underwriter shall consult with each other in issuing any other press releases with respect to the Offering. The Underwriter shall not issue any such press release nor otherwise make any such public statement regarding the Offering without the prior consent of the Company with respect to any press release of the Underwriter, which consent shall not unreasonably be withheld or delayed, except if such disclosure is required by law, rule or regulation, in which case the disclosing party shall promptly provide the other party with prior notice of such public statement or communication. The Company will not issue press releases or engage in any other publicity, without the Underwriter's prior written consent, for a period ending at 5:00 p.m. (New York City time) on the first business day following the 25th day following the Closing Date, other than normal and customary releases issued in the ordinary course of the Company's business.
- 4.12 <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 Closing Shares, Option Shares, and Warrants.
- 4.13 <u>Company Standstill</u>. The Company agrees, for a period of twenty-four (24) months from the date of the Offering, that it will not (a) offer, sell, or otherwise transfer or dispose of, directly or indirectly, any shares of capital stock of the Company or any securities convertible into or exercisable or exchangeable for shares of capital stock of the Company; or (b) file or caused to be filed any registration statement (excluding, however any registration statement on Form S-8 or any post-effective amendment to the Registration Statement to maintain its effectiveness for purposes of Rule 415) with the Commission relating to the offering of any shares of capital stock of the Company or any securities convertible into or exercisable or exchangeable for shares of capital stock of the Company, provided, however, that the restrictions set forth in this Section 4.13 will not apply to Exempt Issuances.

4.14 Right of First Refusal.

- (a) If, for the period beginning on the closing date of the Offering and ending eighteen (18) months after the closing date of the Offering, the Company or any of its subsidiaries (a) decides to finance or refinance any indebtedness, Aegis (or any affiliate designated by Aegis) shall have the right to act as sole book runner, sole manager, sole placement agent or sole agent with respect to such financing or refinancing; or (b) decides to raise funds by means of a public offering (including at-the-market facility) or a private placement or any other capital raising financing of equity, equity-linked or debt securities, the Underwriter (or any affiliate designated by the Underwriter) shall have the right to act as sole bookrunning manager, sole underwriter or sole placement agent for such financing. If the Underwriter or one of its affiliates decides to accept any such engagement, the agreement governing such engagement (each, a "Subsequent Transaction Agreement") will contain, among other things, provisions for customary fees for transactions of similar size and nature, but in no event will the fees be less than those outlined herein, and the provisions of this Agreement, including indemnification, which are appropriate to such a transaction. Notwithstanding the foregoing, the decision to accept the Company's engagement under this Section 8 shall be made by Aegis or one of its affiliates, by a written notice to the Company, within ten (10) days of the receipt of the Company's notification of its financing needs.
- 4.15 Research Independence. The Company acknowledges that the Underwriter's research analysts and research departments, if any, are required to be independent from their respective investment banking divisions and are subject to certain regulations and internal policies, and that such Underwriter's research analysts may hold and make statements or investment recommendations and/or publish research reports with respect to the Company and/or the offering that differ from the views of its investment bankers. The Company hereby waives and releases, to the fullest extent permitted by law, any claims that the Company may have against the Underwriter with respect to any conflict of interest that may arise from the fact that the views expressed by their independent research analysts and research departments may be different from or inconsistent with the views or advice communicated to the Company by such Underwriter's investment banking divisions. The Company acknowledges that the Underwriter is a full service securities firm and as such from time to time, subject to applicable securities laws, may effect transactions for its own account or the account of its customers and hold long or short positions in debt or equity securities of the Company.
- 4.16 <u>Listing</u>. The Company shall use its best efforts to maintain the listing of its shares of Common Stock on the Exchange until the later of (i) three (3) years after the date of this Agreement and (ii) the expiration date of the Warrants (or the date that all of the Warrants have been exercised or duly redeemed, if earlier).

ARTICLE V. INDEMNIFICATION

5.1 Indemnification of the Underwriter. Subject to the conditions set forth below, the Company agrees to indemnify and hold harmless the Underwriter, and each dealer selected by the Underwriter that participates in the offer and sale of the Securities (each a "Selected Dealer") and each of their respective directors, officers and employees and each Person, if any, who controls the Underwriter or any Selected Dealer ("Controlling Person") within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, against any and all loss, liability, claim, damage and expense whatsoever (including but not limited to any and all reasonable legal or other expenses reasonably incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever, whether arising out of any action between the Underwriter and the Company or between the Underwriter and any third party or otherwise) to which they or any of them may become subject under the Securities Act, the Exchange Act or any other statute or at common law or otherwise or under the laws of foreign countries, arising out of or based upon any untrue statement or alleged untrue statement of a material fact contained in (i) any Preliminary Prospectus, if any, the Registration Statement or the Prospectus (as from time to time each may be amended and supplemented); (ii) any materials or information provided to investors by, or with the approval of, the Company in connection with the marketing of the offering of the Securities, including any "road show" or investor presentations made to investors by the Company (whether in person or electronically); or (iii) any application or other document or written communication (in this Article V, collectively called "application") executed by the Company or based upon written information furnished by the Company in any jurisdiction in order to qualify the Securities under the securities laws thereof or filed with the Commission, any state securities commission or agency, Trading Market or any securities exchange; or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading, unless such statement or omission was made in reliance upon and in conformity with written information furnished to the Company with respect to the Underwriter by or on behalf of the Underwriter expressly for use in any Preliminary Prospectus, if any, the Registration Statement or Prospectus, or any amendment or supplement thereto, or in any application, as the case may be. With respect to any untrue statement or omission or alleged untrue statement or omission made in the Preliminary Prospectus, if any, the indemnity agreement contained in this Section 5.1 shall not inure to the benefit of the Underwriter to the extent that any loss, liability, claim, damage or expense of the Underwriter results from the fact that a copy of the Prospectus was not given or sent to the Person asserting any such loss, liability, claim or damage at or prior to the written confirmation of sale of the Securities to such Person as required by the Securities Act and the rules and regulations thereunder, and if the untrue statement or omission has been corrected in the Prospectus, unless such failure to deliver the Prospectus was a result of non-compliance by the Company with its obligations under this Agreement. The Company agrees promptly to notify the Underwriter of the commencement of any litigation or proceedings against the Company or any of its officers, directors or Controlling Persons in connection with the issue and sale of the Securities or in connection with the Registration Statement or Prospectus.

- 5.2 Procedure. If any action is brought against the Underwriter, a Selected Dealer or a Controlling Person in respect of which indemnity may be sought against the Company pursuant to Section 5.1, the Underwriter, such Selected Dealer or Controlling Person, as the case may be, shall promptly notify the Company in writing of the institution of such action and the Company shall assume the defense of such action, including the employment and fees of counsel (subject to the reasonable approval of the Underwriter or such Selected Dealer, as the case may be) and payment of actual expenses. The Underwriter, such Selected Dealer or Controlling Person shall have the right to employ its or their own counsel in any such case, but the fees and expenses of such counsel shall be at the expense of the Underwriter, such Selected Dealer or Controlling Person unless (i) the employment of such counsel at the expense of the Company shall have been authorized in writing by the Company in connection with the defense of such action, or (ii) the Company shall not have employed counsel to have charge of the defense of such action, or (iii) such indemnified party or parties shall have reasonably concluded that there may be defenses available to it or them which are different from or additional to those available to the Company (in which case the Company shall not have the right to direct the defense of such action on behalf of the indemnified party or parties), in any of which events the reasonable fees and expenses of not more than one additional firm of attorneys selected by the Underwriter (in addition to local counsel), Selected Dealer and/or Controlling Person shall be borne by the Company. Notwithstanding anything to the contrary contained herein, if the Underwriter, Selected Dealer or Controlling Person shall assume the defense of such action as provided above, the Company shall have the right to approve the terms of any settlement of such action which approval shall not be unreasonably withheld.
- 5.3 <u>Indemnification of the Company</u>. The Underwriter agrees to indemnify and hold harmless the Company, its directors, officers and employees and agents who control the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act against any and all loss, liability, claim, damage and expense described in the foregoing indemnity from the Company to the Underwriter, as incurred, but only with respect to untrue statements or omissions, or alleged untrue statements or omissions made in any Preliminary Prospectus, if any, the Registration Statement or Prospectus or any amendment or supplement thereto or in any application, in reliance upon, and in strict conformity with, written information furnished to the Company with respect to the Underwriter by or on behalf of the Underwriter expressly for use in such Preliminary Prospectus, if any, the Registration Statement or Prospectus or any amendment or supplement thereto or in any such application. In case any action shall be brought against the Company or any other Person so indemnified based on any Preliminary Prospectus, if any, the Registration Statement or Prospectus or any amendment or supplement thereto or any application, and in respect of which indemnity may be sought against the Underwriter, the Underwriter shall have the rights and duties given to the Company, and the Company and each other Person so indemnified shall have the rights and duties given to the Underwriter by the provisions of this <u>Article V</u>. Notwithstanding the provisions of this <u>Section 5.3</u>, Underwriter shall not be required to indemnify the Company for any amount in excess of the underwriting discounts and commissions applicable to the Securities purchased by the Underwriter.

5.4 Contribution.

(a) Contribution Rights. In order to provide for just and equitable contribution under the Securities Act in any case in which (i) any Person entitled to indemnification under this Article V makes a claim for indemnification pursuant hereto but it is judicially determined (by the entry of a final judgment or decree by a court of competent jurisdiction and the expiration of time to appeal or the denial of the last right of appeal) that such indemnification may not be enforced in such case notwithstanding the fact that this Article V provides for indemnification in such case, or (ii) contribution under the Securities Act, the Exchange Act or otherwise may be required on the part of any such Person in circumstances for which indemnification is provided under this Article V, then, and in each such case, the Company and the Underwriter shall contribute to the aggregate losses, liabilities, claims, damages and expenses of the nature contemplated by said indemnity agreement incurred by the Company and the Underwriter, as incurred, in such proportions that the Underwriter is responsible for that portion represented by the percentage that the underwriting discount appearing on the cover page of the Prospectus bears to the initial offering price appearing thereon and the Company is responsible for the balance; provided, that, no Person guilty of a fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any Person who was not guilty of such fraudulent misrepresentation. For purposes of this Section, each director, officer and employee of the Underwriter or the Company, as applicable, and each Person, if any, who controls the Underwriter or the Company, as applicable, within the meaning of Section 15 of the Securities Act shall have the same rights to contribution as the Underwriter or the Company, as applicable. Notwithstanding the provisions of this Section 5.4, Underwriter shall not be required to contribute any amount in excess of the underwriting discounts and commissions applicable to the Securities purchased by such Underwriter. The Underwriter's obligations in this Section 5.4 to contribute are several in proportion to their respective underwriting obligations and not joint.

(b) Contribution Procedure. Within fifteen days after receipt by any party to this Agreement (or its representative) of notice of the commencement of any action, suit or proceeding, such party will, if a claim for contribution in respect thereof is to be made against another party ("Contributing Party"), notify the Contributing Party of the commencement thereof, but the failure to so notify the Contributing Party will not relieve it from any liability which it may have to any other party other than for contribution hereunder. In case any such action, suit or proceeding is brought against any party, and such party notifies a contributing party or its Underwriter of the commencement thereof within the aforesaid fifteen days, the Contributing Party will be entitled to participate therein with the notifying party and any other Contributing Party similarly notified. Any such Contributing Party shall not be liable to any party seeking contribution on account of any settlement of any claim, action or proceeding affected by such party seeking contribution without the written consent of such Contributing Party. The contribution provisions contained in this Section 5.4 are intended to supersede, to the extent permitted by law, any right to contribution under the Securities Act, the Exchange Act or otherwise available.

ARTICLE VI. MISCELLANEOUS

6.1 Termination.

- (a) <u>Termination Right</u>. The Underwriter shall have the right to terminate this Agreement at any time prior to any Closing Date, (i) if any domestic or international event or act or occurrence has materially disrupted, or in its reasonable opinion will in the immediate future materially disrupt, general securities markets in the United States; or (ii) if trading on any Trading Market shall have been suspended or materially limited, or minimum or maximum prices for trading shall have been fixed, or maximum ranges for prices for securities shall have been required by FINRA or by order of the Commission or any other government authority having jurisdiction, or (iii) if the United States shall have become involved in a new war or an increase in major hostilities, or (iv) if a banking moratorium has been declared by a New York State or federal authority, or (v) if a moratorium on foreign exchange trading has been declared which materially adversely impacts the United States securities markets, or (vi) if the Company shall have sustained a material loss by fire, flood, accident, hurricane, earthquake, theft, sabotage or other calamity or malicious act which, whether or not such loss shall have been insured, will, in the Underwriter's reasonable opinion, make it inadvisable to proceed with the delivery of the Securities, or (vii) if the Company is in material breach of any of its representations, warranties or covenants hereunder, or (viii) if the Underwriter shall have become aware after the date hereof of such a material adverse change in the conditions or prospects (as such prospects are disclosed in the Prospectus) of the Company, or such adverse material change in general market conditions as in the Underwriter's reasonable opinion would make it impracticable to proceed with the offering, sale and/or delivery of the Securities or to enforce contracts made by the Underwriter for the sale of the Securities.
- (b) Expenses. Notwithstanding anything to the contrary in this Agreement, in the event that this Agreement shall not be carried out for any reason whatsoever, within the time specified herein, the Company shall reimburse the Underwriter, or otherwise pay and bear the expenses and fees to be paid and borne by the Company, related to the transactions contemplated herein then due and payable up to the amounts set forth in Section 4.6(a), including the actual and accountable fees and disbursements of Underwriter's Counsel.
- (c) <u>Indemnification</u>. Notwithstanding any contrary provision contained in this Agreement, any election hereunder or any termination of this Agreement, and whether or not this Agreement is otherwise carried out, the provisions of <u>Article V</u> shall not be in any way affected by such election or termination or failure to carry out the terms of this Agreement or any part hereof.
- (d) Entire Agreement. The Transaction Documents, together with the exhibits and schedules thereto, 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, including the Engagement Agreement, which the parties acknowledge have been merged into such documents, exhibits and schedules. Notwithstanding the foregoing, nothing in this Agreement amends, terminates or otherwise affects any rights of the Underwriter or the Company pursuant to any binding agreement from any prior transaction between the Underwriter and the Company.
- 6.2 Notices. 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 facsimile at the facsimile number or e-mail at the email address 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 facsimile at the facsimile number or e-mail at the e-mail 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 (2nd) 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 page attached hereto.

- 6.3 <u>Amendments</u>; <u>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 the Underwriter. 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.
- 6.4 <u>Headings</u>. 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.
- 6.5 <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.
- 6.6 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. The Company agrees that it hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein that is brought against a party hereto (or their respective affiliates, directors, officers, shareholders, partners, members, employees or agents), and the Company hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding Each party hereby irrevocably submits to the exclusive jurisdiction of the state and federal courts sitting in the City of New York, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any of the Transaction Documents), and hereby irrevocably waives, and agrees not to assert in any action, suit or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, 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 either party shall commence an action or proceeding to enforce any provisions of the Transaction Documents, then, in addition to the obligations of the Company under Article V, the prevailing party in such action, suit or proceeding shall be reimbursed by the other party for its reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding.
- 6.7 <u>Survival</u>. The representations and warranties contained herein shall survive the Closing and the Option Closing, if any, and the delivery of the Securities.
- 6.8 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 facsimile transmission or 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 facsimile or ".pdf" signature page were an original thereof.
- 6.9 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.

- 6.10 <u>Remedies</u>. In addition to being entitled to exercise all rights provided herein or granted by law, including recovery of damages, the Underwriter 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.
- 6.11 <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.
- 6.12 <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 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 in the Common Stock that occur after the date of this Agreement.
- 6.13 <u>WAIVER OF JURY TRIAL</u>. IN ANY ACTION, SUIT, OR PROCEEDING IN ANY JURISDICTION BROUGHT BY ANY PARTY AGAINST ANY OTHER PARTY ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY, THE PARTIES EACH KNOWINGLY AND INTENTIONALLY, TO THE GREATEST EXTENT PERMITTED BY APPLICABLE LAW, HEREBY ABSOLUTELY, UNCONDITIONALLY, IRREVOCABLY AND EXPRESSLY WAIVE FOREVER ANY RIGHT TO TRIAL BY JURY.

(Signature Pages Follow)

If the foregoing correctly sets forth the understanding between the Underwriter and the Company, please so indicate in the space provided below for that purpose, whereupon this letter shall constitute a binding agreement among the Company and the Underwriter in accordance with its terms.

Very truly yours,

SUNSHINE BIOPHARMA, INC.

By: /s/ Dr. Steve N. Slilaty
Name: Dr. Steve N. Slilaty
Title: Chief Executive Officer

Copy (which shall not constitute notice) to:

Sichenzia Ross Ference LLP

1185 Avenue of Americas, 31st Floor New York, NY 10036

Attn.: Darrin M. Ocasio, Esq. Email: DMOcasio@SRF.LAW

Address for Notice:

6500 Trans-Canada Highway, 4th Floor Pointe-Claire, Quebec, Canada H9R 0A5

Attention: Dr. Steve N. Slilaty

Email: steve.slilaty@sunshinebiopharma.com

Accepted on the date first above written:

AEGIS CAPITAL CORP.

By: /s/ Robert Eide

Name: Robert Eide

Title: Chief Executive Officer

Address for Notice:

810 Seventh Avenue, 18th Floor New York, New York 10019 Attention: Robert Eide Email: <u>reide@aegiscap.com</u>

Copy (which shall not constitute notice) to:

Kaufman & Canoles, P.C. 1021 E. Cary Street, Suite 1400 Two James Center Richmond, VA 23219

Attn: Anthony W. Basch, Esq. Tel.: (804) 771-5700

Email: awbasch@kaufcan.com

SCHEDULE 1

CLOSING SECURITIES

Name of Underwriter	Total Number of Closing Units to be Purchased	Number of Option Securities to be Purchased if the Over-Allotment Option is Fully Exercised
Aegis Capital Corp.	1,882,35	282,352 shares and 564,704 warrants
Total	1,882,35	282,352 shares and 564,704 warrants
	24	

SCHEDULE 2-A

Number of Closing Units:	1,882,353
Number of Closing Common Units	1,882,353
Number of Closing Pre-funded Units	0
Number of Option Shares:	282,352
Number of Option Pre-funded Warrants	0
Number of Option Warrants:	564,704
	,
Public Offering Price per Closing Common Unit:	\$ 4.25
Public Offering Price per Closing Pre-funded Unit:	\$ 4.249
Exercise Price per Pre-Funded Warrant:	\$ 0.001
Exercise Price per Warrant per whole share:	\$ 4.25
Public Offering Price per Option Share:	\$ 4.23
Public Offering Price per Option Pre-Funded Warrant:	\$ 4.229
Price per Option Warrant:	\$ 0.01
Underwriting Discount per Closing Common Unit:	\$ 0.34
Underwriting Discount per Closing Pre-funded Unit:	\$ 0.34
Underwriting Discount per Option Share:	\$ 0.3384
Underwriting Discount per Option Pre-funded Warrant:	\$ 0.3383
Underwriting Discount per Option Warrant	\$ 0.0008
Non-accountable expense allowance per Closing Common Unit and per Pre-funded Unit	\$ 0.0425
Non-accountable expense allowance per Option Share	\$ 0.0423
Non-accountable expense allowance per Option Pre-funded Warrant	\$ 0.0423
Non-accountable expense allowance per Option Warrant	\$ 0.0001

EXHIBIT A

Form of Lock-Up Agreement

Aegis Capital Corp. 810 Seventh Avenue, 18th Floor New York, NY 10019

Ladies and Gentlemen:

The undersigned understands that Aegis Capital Corp. (the "Underwriter"), proposes to enter into an Underwriting Agreement (the "Underwriting Agreement") with Sunshine Biopharma, Inc., a Colorado corporation (the "Company"), providing for the public offering (the "Public Offering") of units (each, a "Closing Unit"), with each Closing Unit consisting of either (A) one share of the Company's common stock ("Common Stock") and two warrants to purchase one share each of the Common Stock (the "Warrant"); or (B) one pre-funded warrant (each, a "Pre-funded Warrant") to purchase one share of Common Stock at an exercise price of \$0.001 until such time as the Pre-funded Warrant is exercised in full subject to adjustment as provided in the Pre-funded Warrant, and two Warrants (each, a "Closing Pre-funded Unit").

To induce the Underwriter to continue its efforts in connection with the Public Offering, the undersigned hereby agrees that, without the prior written consent of the Underwriter, the undersigned will not, during the period commencing on the date hereof and ending one hundred eighty (180) days after the effective date of the Registration Statement on Form S-1 relating to the Public Offering (the "Lock-Up Period"), (1) offer, pledge, sell, contract to sell, grant, lend, or otherwise transfer or dispose of, directly or indirectly, any Common Stock or any securities convertible into or exercisable or exchangeable for the Common Stock, whether now owned or hereafter acquired by the undersigned or with respect to which the undersigned has or hereafter acquires the power of disposition (collectively, the "Lock-Up Securities"); (2) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the Lock-Up Securities, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of Lock-Up Securities, in cash or otherwise; (3) make any demand for or exercise any right with respect to the registration of any Lock-Up Securities; or (4) publicly disclose the intention to make any offer, sale, pledge or disposition, or to enter into any transaction, swap, hedge or other arrangement relating to any Lock-Up Securities.

Notwithstanding the foregoing, and subject to the conditions below, the undersigned may transfer Lock-Up Securities without the prior written consent of the Underwriter in connection with (a) transactions relating to Lock-Up Securities acquired in open market transactions after the completion of the Public Offering; provided that no filing under Section 13 or Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or other public announcement shall be required or shall be voluntarily made in connection with subsequent sales of Lock-Up Securities acquired in such open market transactions; (b) transfers of Lock-Up Securities as a bona fide gift, by will or intestacy or to a family member or trust for the benefit of the undersigned (for purposes of this lock-up agreement, "family member" means any relationship by blood, marriage or adoption, not more remote than first cousin); (c) transfers of Lock-Up Securities to a charity or educational institution; (d) if the undersigned is a corporation, partnership, limited liability company or other business entity, (i) any transfers of Lock-Up Securities to another corporation, partnership or other business entity that controls, is controlled by or is under common control with the undersigned or (ii) distributions of Lock-Up Securities to members, partners, stockholders, subsidiaries or affiliates (as defined in Rule 405 promulgated under the Securities Act of 1933, as amended) of the undersigned; (e) if the undersigned is a trust, to a trustee or beneficiary of the trust; provided that in the case of any transfer pursuant to the foregoing clauses (b), (c) (d) or (e), (i) any such transfer shall not involve a disposition for value, (ii) each transferee shall sign and deliver to the Underwriter a lock-up agreement substantially in the form of this lock-up agreement and (iii) no filing under Section 13 or Section 16(a) of the Exchange Act or other public announcement shall be required or shall be voluntarily made during the Lock-Up Period; (f) the receipt by the undersigned from the Company of Common Stock upon the vesting of restricted stock awards or stock units or upon the exercise of options to purchase the Common Stock issued under an equity incentive plan of the Company or an employment arrangement described in the Pricing Prospectus (as defined in the Underwriting Agreement) (the "Plan Shares") or the transfer or withholding of Common Stock or any securities convertible into Common Stock to the Company upon a vesting event of the Company's securities or upon the exercise of options to purchase the Company's securities, in each case on a "cashless" or "net exercise" basis or to cover tax obligations of the undersigned in connection with such vesting or exercise, provided that if the undersigned is required to file a report under Section 13 or Section 16(a) of the Exchange Act reporting a reduction in beneficial ownership of Common Stock during the Lock-Up Period, the undersigned shall include a statement in such schedule or report to the effect that the purpose of such transfer was to cover tax withholding obligations of the undersigned in connection with such vesting or exercise and, provided further, that the Plan Shares shall be subject to the terms of this lock-up agreement; (g) the transfer of Lock-Up Securities pursuant to agreements described in the Pricing Prospectus under which the Company has the option to repurchase such securities or a right of first refusal with respect to the transfer of such securities, provided that if the undersigned is required to file a report under Section 13 or Section 16(a) of the Exchange Act reporting a reduction in beneficial ownership of Common Stock during the Lock-Up Period, the undersigned shall include a statement in such schedule or report describing the purpose of the transaction; (h) the establishment of a trading plan pursuant to Rule 10b5-1 under the Exchange Act for the transfer of Lock-Up Securities, provided that (i) such plan does not provide for the transfer of Lock-Up Securities during the Lock-Up Period and (ii) to the extent a public announcement or filing under the Exchange Act, if any, is required of or voluntarily made by or on behalf of the undersigned or the Company regarding the establishment of such plan, such public announcement or filing shall include a statement to the effect that no transfer of Lock-Up Securities may be made under such plan during the Lock-Up Period; (i) the transfer of Lock-Up Securities that occurs by operation of law, such as pursuant to a qualified domestic order or in connection with a divorce settlement, provided that the transferee agrees to sign and deliver a lock-up agreement substantially in the form of this lock-up agreement for the balance of the Lock-Up Period, and provided further, that any filing under Section 13 or Section 16(a) of the Exchange Act that is required to be made during the Lock-Up Period as a result of such transfer shall include a statement that such transfer has occurred by operation of law; and (j) the transfer of Lock- Up Securities pursuant to a bona fide third party tender offer, merger, consolidation or other similar transaction made to all holders of the Common Stock involving a change of control (as defined below) of the Company after the closing of the Public Offering and approved by the Company's board of directors; provided that in the event that the tender offer, merger, consolidation or other such transaction is not completed, the Lock-Up Securities owned by the undersigned shall remain subject to the restrictions contained in this lock-up agreement. For purposes of clause (j) above, "change of control" shall mean the consummation of any bona fide third party tender offer, merger, amalgamation, consolidation or other similar transaction the result of which is that any "person" (as defined in Section 13(d)(3) of the Exchange Act), or group of persons, becomes the beneficial owner (as defined in Rules 13d-3 and 13d-5 of the Exchange Act) of a majority of total voting power of the voting stock of the Company. The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar against the transfer of the undersigned's Lock-Up Securities except in compliance with this lock-up agreement.

If the undersigned is an officer or director of the Company, (i) the undersigned agrees that the foregoing restrictions shall be equally applicable to any issuer-directed or "friends and family" securities that the undersigned may purchase in the Public Offering; (ii) the Underwriter agrees that, at least three (3) business days before the effective date of any release or waiver of the foregoing restrictions in connection with a transfer of Lock-Up Securities, the Underwriter will notify the Company of the impending release or waiver; and (iii) the Company has agreed in the Underwriting Agreement to announce the impending release or waiver by press release through a major news service at least two (2) business days before the effective date of the release or waiver. Any release or waiver granted by the Underwriter hereunder to any such officer or director shall only be effective two (2) business days after the publication date of such press release. The provisions of this paragraph will not apply if (a) the release or waiver is effected solely to permit a transfer of Lock-Up Securities not for consideration and (b) the transferee has agreed in writing to be bound by the same terms described in this lock-up agreement to the extent and for the duration that such terms remain in effect at the time of such transfer.

The undersigned understands that the Company and the Underwriter are relying upon this lock-up agreement in proceeding toward consummation of the Public Offering. The undersigned further understands that this lock-up agreement is irrevocable and shall be binding upon the undersigned's heirs, legal representative, successors and assigns.

The undersigned understands that, if the Underwriting Agreement is not executed by February 28, 2022 or if the Underwriting Agreement (other than the provisions thereof which survive termination) shall terminate or be terminated prior to payment for and delivery of the Common Stock to be sold thereunder, then this lock-up agreement shall be void and of no further force or effect.

Whether or not the Public Offering actually occurs depends on a number of factors, including market conditions. Any Public Offering will only be made pursuant to an Underwriting Agreement, the terms of which are subject to negotiation between the Company and the Underwriter.

Very truly yours,
(Name - Please Print)
(Signature)
(Name of Signatory, in the case of entities - Please Print)
(Title of Signatory, in the case of entities - Please Print) Address:

EXHIBIT B

Form of Pre-funded Warrant

COMMON STOCK PURCHASE WARRANT

SUNSHINE BIOPHARMA, INC.

Warrant Shares:	Initial Exercise Date: [*]
	Issue Date: [*]
CUSIP: [*]	
ISIN: [*]	

THIS COMMON STOCK PURCHASE WARRANT (the "Warrant") certifies that, for value received, [*], or its assigns (the "Holder," provided that a "Holder" shall include, if the Warrants are held in "street name," a Participant, any designee appointed by such Participant and each "beneficial owner" of such Warrants) 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 hereof (the "Initial Exercise Date") and on or prior to 5:00 p.m. (New York City time) on [*], 2027 (the "Termination Date") but not thereafter, to subscribe for and purchase from SUNSHINE BIOPHARMA, INC., a Colorado corporation (the "Company"), up to [*] shares of Common Stock (as subject to adjustment hereunder, the "Warrant Shares"). 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). This Warrant shall initially be issued and maintained in the form of a security held in book-entry form and the Depository Trust Company or its nominee ("DTC") shall initially be the sole registered holder of this Warrant, subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

Section 1. <u>Definitions</u>. In addition to the terms defined elsewhere in this Warrant, the following terms have the meanings indicated in this Section 1:

"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.

"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 per share 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 on the OTC Pink 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 Holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by 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.

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

"Common Stock" means the common stock of the Company, par value \$0.001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

"Common Stock Equivalents" 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.

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

"Exempt Issuance" means the issuance of (a) Common Stock or options to employees, officers or directors of the Company pursuant to any stock or option plan duly adopted for such purpose by the Board of Directors or a committee of non-employee directors established for such purpose for services rendered to the Company (including, for the avoidance of doubt, any such plan that may be adopted following the date of the Underwriting Agreement), (b) securities issued or issuable upon the exercise or exchange of or conversion of any securities exercisable or exchangeable for or convertible into Common Stock issued and outstanding on the date of (or issuable under) the Underwriting Agreement, provided that such securities have not been amended since the date of the Underwriting Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities, and (c) securities issued pursuant to acquisitions or strategic transactions approved by a majority of the disinterested directors of the Company, provided that such securities are issued as "restricted securities" (as defined in Rule 144) and carry no registration rights that require or permit the filing of any registration statement in connection therewith within 2 years following the Initial Exercise Date, but shall not include a transaction in which the Company is issuing securities primarily for the purpose of raising capital or to an entity whose primary business is investing in securities.

"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.

"Registration Statement" means the Company's registration statement on Form S-1 (File No. 333-259394), as amended.

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

"Subsidiary" means any subsidiary of the Company 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 Common Stock is traded on a Trading Market.

"<u>Trading Market</u>" 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, OTCOB or OTCOX (or any successors to any of the foregoing).

"<u>Transfer Agent</u>" means Equiniti Trust Company, the current transfer agent of the Company, with a mailing address of 1110 Centre Pointe Curve, Suite 101, Mendota Heights, Minnesota 55120 and a phone number of (800) 468-9716, and any successor transfer agent of the Company.

"<u>Underwriting Agreement</u>" means the underwriting agreement, dated as of [*], 2022 among the Company and Aegis Capital Corp. as underwriter named therein, as amended, modified or supplemented from time to time in accordance with its terms.

"VWAP" 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 per share 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 on the OTC Pink 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 holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

"Warrant Agency Agreement" means that certain warrant agency agreement, dated on or about the Initial Exercise Date, between the Company and the Warrant Agent.

"Warrant Agent" means the Transfer Agent and any successor warrant agent of the Company.

"Warrants" means this Warrant and other Common Stock purchase warrants issued by the Company pursuant to the Registration Statement.

Section 2. Exercise.

a) Exercise of Warrant. Subject to the provisions of Section 2(e) herein, 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 as Annex A (the "Notice of Exercise"), and, unless the cashless exercise procedure specified in Section 2(c) below is specified in the applicable Notice of Exercise, delivery of the aggregate Exercise Price of the Warrant Shares specified in the applicable Notice of Exercise as specified in this Section 2(a). 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 Warrant Shares specified in the applicable Notice of Exercise by wire transfer of immediately available funds 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. 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 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 exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date on which the final Notice of 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 purchasable 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 within one (1) Trading Day of receipt of such notice. Notwithstanding the foregoing, with respect to any Notice(s) of Exercise delivered on or prior to 4:00 p.m. (New York City time) on the Trading Date prior to the Initial Exercise Date, which may be delivered at any time after the time of execution of the Underwriting Agreement, the Company agrees to deliver the Warrant Shares subject to such notice(s) by 4:00 p.m. (New York City time) on the Initial Exercise Date and the Initial Exercise Date shall be the Warrant Share Delivery Date for purposes hereunder, provided that payment of the aggregate Exercise Price (other than in the case of a cashless exercise) is received by such Warrant Share Delivery Date. The Holder and 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 purchase hereunder at any given time may be less than the amount stated on the face hereof.

Notwithstanding the foregoing in this Section 2(a), a holder whose interest in this Warrant is a beneficial interest in certificate(s) representing this Warrant held in book-entry form through DTC (or another established clearing corporation performing similar functions), shall effect exercises made pursuant to this Section 2(a) by delivering to DTC (or such other clearing corporation, as applicable) the appropriate instruction form for exercise, complying with the procedures to effect exercise that are required by DTC (or such other clearing corporation, as applicable), subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

- b) Exercise Price. The exercise price per share of Common Stock under this Warrant shall be \$[*], subject to adjustment hereunder (the "Exercise Price").
- c) <u>Cashless Exercise</u>. The Company shall use its best efforts to cause the Registration Statement to remain effective with a current prospectus and to maintain the registration of the Common Stock and of the Warrants under the Exchange Act. If at any time after the Initial Exercise Date, there is no effective registration statement registering, or no current prospectus available for the issuance of, the Warrant Shares to 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) pursuant to Section 2(a) hereof or (iii) the VWAP on the date of the applicable Notice of Exercise if the date of 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 registered characteristics of the Warrants being exercised. The Company agrees not to take any position contrary to this Section 2(c).

Notwithstanding anything herein to the contrary, in the event that, on the Termination Date, there is no effective registration statement registering, or no current prospectus available for the issuance of, the Warrant Shares to the Holder, this Warrant shall be automatically exercised via cashless exercise pursuant to this Section 2(c) on such Termination Date.

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 Holder or (B) this Warrant is being exercised via cashless exercise, 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, (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 the earlier of (i) two (2) Trading Days and (ii) the number of Trading Days comprising the Standard Settlement Period 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.
- 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. Rescission Rights. 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; provided, however, that the Holder shall be required to return any Warrant Shares subject to any such rescinded exercise notice concurrently with the return to Holder of the aggregate Exercise Price paid to the Company for such Warrant Shares and the restoration of Holder's right to acquire such Warrant Shares pursuant to this Warrant (including, issuance of a replacement warrant certificate evidencing such restored right).
- 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, 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 as Annex B 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 electronic delivery of the Warrant Shares.
- 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, non-exercised 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 non-converted 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% (or, upon election by a Holder prior to the issuance of any Warrants, 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.

Section 3. Certain Adjustments.

- a) Stock Dividends and Splits. 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 Common Stock Equivalents payable in 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 Common Stock any shares of capital 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 and such other capital stock of the Company (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock and such other capital stock of the Company (excluding treasury shares, if any) outstanding immediately after such event, and the number of shares of Common Stock issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price 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 shareholders 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) Subsequent Equity Sales. If the Company or any Subsidiary thereof, as applicable, at any time while this Warrant is outstanding, shall sell, enter into an agreement to sell, or grant any option to purchase, or sell, enter into an agreement to sell, or grant any right to reprice, or otherwise dispose of or issue (or announce any offer, sale, grant or any option to purchase or other disposition) any shares of Common Stock or Common Stock Equivalents, at an effective price per share less than the Exercise Price then in effect (such lower price, the "Base Share Price" and such issuances collectively, a "Dilutive Issuance") (it being understood and agreed that if the holder of the shares of Common Stock or such other securities so issued shall at any time, whether by operation of purchase price adjustments, reset provisions, floating conversion, exercise or exchange prices or otherwise, or due to warrants, options or rights per share which are issued in connection with such issuance, be entitled to receive shares of Common Stock at an effective price per share that is less than the Exercise Price, such issuance shall be deemed to have occurred for less than the Exercise Price on such date of the Dilutive Issuance at such effective price), then simultaneously with the consummation (or, if earlier, the announcement) of each Dilutive Issuance the Exercise Price shall be reduced and only reduced to equal the Base Share Price provided that the Base Share Price shall not be less than \$2.00 (subject to adjustment for reverse and forward stock splits, recapitalizations and similar transactions following the date of the Underwriting Agreement). Notwithstanding the foregoing, no adjustments shall be made, paid or issued under this Section 3(b) in respect of an Exempt Issuance. The Company shall notify the Holder, in writing, no later than the Trading Day following the issuance or deemed issuance of any shares of Common Stock or Common Stock Equivalents subject to this Section 3(b), indicating therein the applicable issuance price, or applicable reset price, exchange price, conversion price and other pricing terms (such notice, the "Dilutive Issuance Notice"). For purposes of clarification, whether or not the Company provides a Dilutive Issuance Notice pursuant to this Section 3(b), upon the occurrence of any Dilutive Issuance, the Holder is entitled to receive a number of Warrant Shares based upon the Base Share Price regardless of whether the Holder accurately refers to the Base Share Price in the Notice of Exercise. If the Company enters into a Variable Rate Transaction, the Company shall be deemed to have issued shares of Common Stock or Common Stock Equivalents at the lowest possible price, conversion price or exercise price at which such securities may be issued, converted or exercised.

c) <u>Subsequent Rights Offerings</u>. In addition to any adjustments pursuant to Section 3(a) above, if at any time the Company grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to the record holders of any class of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, 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 grant, issue or sale of such Purchase Rights.

d) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, 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 shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, 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. To the extent that this Warrant has not been partially or completely exercised at the time of such Distribution, such portion of the Distribution shall be held in abeyance for the benefit of the Holder until the Holder has exercised this Warrant.

e) Fundamental Transaction. If, at any time while the Warrants are outstanding,

- (i) the Company, 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 shares 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 Company's shares of Common Stock or 50% or more of the total voting power of the Company's shares of Common Stock;
- (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of shares of Common Stock or any compulsory share exchange pursuant to which the shares of Common Stock are 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 or scheme of arrangement) with another person or group of persons whereby such other person or group acquires 50% or more of the Company's shares of Common Stock or 50% or more of the total voting power of the Company's shares of Common Stock (each a "Fundamental Transaction"),

then, upon any subsequent exercise of a Warrant, the Holder shall have the right to receive, for each share of Common Stock that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder, the number of shares of capital stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, or depositary shares representing those shares, 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 limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation). 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.

Notwithstanding anything to the contrary, in the event of a Fundamental Transaction, the Company or any Successor Entity (as defined below) shall, at the Holder's option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction (or, if later, the date of the public announcement of the applicable Fundamental Transaction), purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value (as defined below) of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction; provided, however, that, if the Fundamental Transaction is not within the Company's control, including not approved by the Company's Board of Directors, Holder shall only be entitled to receive from the Company or any Successor Entity the same type or form of consideration (and in the same proportion), at the Black Scholes Value of the unexercised portion of this Warrant, that is being offered and paid to the holders of shares of Common Stock of the Company in connection with the Fundamental Transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of shares of Common Stock are given the choice to receive from among alternative forms of consideration in connection with the Fundamental Transaction; provided, further, that if holders of shares of Common Stock of the Company are not offered or paid any consideration in such Fundamental Transaction, such holders will be deemed to have received common stock of the Successor Entity (which Entity may be the Company following such Fundamental Transaction) in such Fundamental Transaction.

"Black Scholes Value" means the value of this Warrant based on the Black-Scholes Option Pricing Model obtained from the "OV" function on Bloomberg determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date, (B) an expected volatility equal to the greater of 100% and the 100 day volatility obtained from the HVT function on Bloomberg (determined utilizing a 365 day annualization factor) as of the Trading Day immediately following the public announcement of the applicable Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the greater of (i) the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (ii) the highest VWAP during the period beginning on the Trading Day immediately preceding the announcement of the applicable Fundamental Transaction (or the consummation of the applicable Fundamental Transaction, if earlier) and ending on the Trading Day of the Holder's request pursuant to this Section 3(e) and (D) a remaining option time equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date and (E) a zero cost of borrow. The payment of the Black Scholes Value will be made by wire transfer of immediately available funds (or such other consideration) within the later of (i) five (5) Business Days of the Holder's election and (ii) the date of consummation of the 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 in accordance with the provisions of this Section 3(e) pursuant to written agreements in form 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 such 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 that 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 prior 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 this Warrant had immediately prior to the consummation of such Fundamental Transaction). Upon the occurrence of any such Fundamental Transaction, the provisions of this Warrant 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 Agreement and the Warrant with the same effect as if such Successor Entity had been named as the Company herein.

The Company shall instruct the Warrant Agent in writing to mail, by first class mail, postage prepaid, to each Holder, written notice of the execution of any such amendment, supplement or agreement with the Successor Entity. Any supplemented or amended agreement entered into by the successor corporation or transferee shall provide for adjustments, which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 3(e). The Warrant Agent shall have no duty, responsibility or obligation to determine the correctness of any provisions contained in such agreement or such notice, including but not limited to any provisions relating either to the kind or amount of securities or other property receivable upon exercise of warrants or with respect to the method employed and provided therein for any adjustments, and shall be entitled to rely conclusively for all purposes upon the provisions contained in any such agreement. The provisions of this Section 3(e) shall similarly apply to successive reclassifications, changes, consolidations, mergers, sales and conveyances of the kind described above.

f) Calculations. 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 deemed to be issued and outstanding as of a given date shall be the sum of the number shares (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 facsimile or email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of shares of Common Stock underlying the Warrant 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 shares of Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the shares of Common Stock, (C) the Company shall authorize the granting to all holders of shares of 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 shareholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company (or any of its Subsidiaries) is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby shares of Common Stock are 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 facsimile or email to the Holder at its last facsimile number or 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 record of shares of Common Stock 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 record of the shares of Common Stock shall be entitled to exchange their shares of 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>. 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. 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. If this Warrant is not held in global form through DTC (or any successor depositary), 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 initial issuance 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 Warrant Agent shall register this Warrant, upon records to be maintained by the Warrant Agent for that purpose (the "<u>Warrant Register</u>"), in the name of the record Holder hereof from time to time. The Company and the Warrant Agent 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.

Section 5. Participation Right. For so long as this Warrant is outstanding, neither the Company nor any of its Subsidiaries shall, directly or indirectly, issue, offer, sell, grant any option or right to purchase, or otherwise dispose of (or announce any issuance, offer, sale, grant of any option or right to purchase or other disposition of) any equity security or any equity-linked or related security (including, without limitation, any "equity security" (as that term is defined under Rule 405 promulgated under the 1933 Act)), any Convertible Securities (as defined below), any debt, any preferred shares or any purchase rights (any such issuance, offer, sale, grant, disposition or announcement is referred to as a "Subsequent Placement") unless the Company shall have first complied with this Section 5. The Company acknowledges and agrees that the right set forth in this Section 5 is a right granted by the Company, separately, to each Holder (including, each "beneficial holder" of warrants) as of the time of such Subsequent Placement (taken together with all Affiliates of such Holder (and/or "beneficial holder) of at least 235,000 Warrants, provided such Holder has notified the Company of such minimum ownership, either directly or by virtue of filing a Schedule 13G at least three (3) days before such Subsequent Placement (each such Holder, a "Qualified Holder").

- a) At least five (5) Trading Days prior to any proposed or intended Subsequent Placement, the Company shall deliver to each Qualified Holder a written notice (each such notice, a "Pre-Notice"), which Pre-Notice shall not contain any information (including, without limitation, material, non-public information) other than: (A) if the proposed Offer Notice (as defined below) constitutes or contains material, non-public information, a statement asking whether the Investor is willing to accept material non-public information or (B) if the proposed Offer Notice does not constitute or contain material, non-public information, (x) a statement that the Company proposes or intends to effect a Subsequent Placement, (y) a statement that the statement in clause (x) above does not constitute material, non-public information and (z) a statement informing such Qualified Holder that it is entitled to receive an Offer Notice (as defined below) with respect to such Subsequent Placement upon its written request. Upon the written request of a Qualified Holder within three (3) Trading Days after the Company's delivery to such Qualified Holder of such Pre-Notice, and only upon a written request by such Qualified Holder, the Company shall promptly, but no later than one (1) Trading Day after such request, deliver to such Qualified Holder an irrevocable written notice (the "Offer Notice") of any proposed or intended issuance or sale or exchange (the "Offer") of the securities being offered (the "Offered Securities") in a Subsequent Placement, which Offer Notice shall (A) identify and describe the Offered Securities, (B) describe the price and other terms upon which they are to be issued, sold or exchanged, and the number or amount of the Offered Securities to be issued, sold or exchanged, (C) identify the Persons (if known) to which or with which the Offered Securities are to be offered, issued, sold or exchanged and (D) offer to issue and sell to or exchange with such Qualified Holder in accordance with the terms of the Offer such Qualified Holder's pro rata portion of 30% of the Offered Securities, provided that the number of Offered Securities which such Qualified Holder shall have the right to subscribe for under this Section 5 shall be (x) based on such Qualified Holder's pro rata portion of the aggregate number of Purchased Shares purchased hereunder by all Qualified Holders (the "Basic Amount"), and (y) with respect to each Qualified Holder that elects to purchase its Basic Amount, any additional portion of the Offered Securities attributable to the Basic Amounts of other Qualified Holders as such Qualified Holder shall indicate it will purchase or acquire should the other Qualified Holders subscribe for less than their Basic Amounts (the "Undersubscription Amount"), which process shall be repeated until each Qualified Holder shall have an opportunity to subscribe for any remaining Undersubscription Amount.
- b) To accept an Offer, in whole or in part, such Qualified Holder must deliver a written notice to the Company prior to the end of the fifth (5th) Business Day after such Qualified Holder's receipt of the Offer Notice (the "Offer Period"), setting forth the portion of such Qualified Holder's Basic Amount that such Qualified Holder elects to purchase and, if such Qualified Holder shall elect to purchase all of its Basic Amount, the Undersubscription Amount, if any, that such Qualified Holder elects to purchase (in either case, the "Notice of Acceptance"). If the Basic Amounts subscribed for by all Qualified Holders are less than the total of all of the Basic Amounts, then each Qualified Holder who has set forth an Undersubscription Amount in its Notice of Acceptance shall be entitled to purchase, in addition to the Basic Amounts subscribed for, the Undersubscription Amount it has subscribed for; provided, however, if the Undersubscription Amounts subscribed for exceed the difference between the total of all the Basic Amounts and the Basic Amounts subscribed for (the "Available Undersubscription Amount"), each Qualified Holder who has subscribed for any Undersubscription Amount shall be entitled to purchase only that portion of the Available Undersubscription Amount as the Basic Amount of such Qualified Holder bears to the total Basic Amounts of all Qualified Holders that have subscribed for Undersubscription Amounts, subject to rounding by the Company to the extent it deems reasonably necessary. Notwithstanding the foregoing, if the Company desires to modify or amend the terms and conditions of the Offer Period shall expire on the fifth (5th) Business Day after such Qualified Holder's receipt of such new Offer Notice.
- c) The Company shall have five (5) Business Days from the expiration of the Offer Period above (A) to offer, issue, sell or exchange all or any part of such Offered Securities as to which a Notice of Acceptance has not been given by a Qualified Holder (the "<u>Refused Securities</u>") pursuant to a definitive agreement(s) (the "<u>Subsequent Placement Agreement</u>"), but only to the offerees described in the Offer Notice (if so described therein) and only upon terms and conditions (including, without limitation, unit prices and interest rates) that are not more favorable to the acquiring Person or Persons or less favorable to the Company than those set forth in the Offer Notice and (B) to publicly announce (x) the execution of such Subsequent Placement Agreement, and (y) either (I) the consummation of the transactions contemplated by such Subsequent Placement Agreement or (II) the termination of such Subsequent Placement Agreement, which shall be filed with the SEC on a Current Report on Form 8-K with such Subsequent Placement Agreement and any documents contemplated therein filed as exhibits thereto.

- d) In the event the Company shall propose to sell less than all the Refused Securities (any such sale to be in the manner and on the terms specified in Section 5(c) above), then each Qualified Holder may, at its sole option and in its sole discretion, reduce the number or amount of the Offered Securities specified in its Notice of Acceptance to an amount that shall be not less than the number or amount of the Offered Securities that such Qualified Holder elected to purchase pursuant to Section 5(b) above multiplied by a fraction, (A) the numerator of which shall be the number or amount of Offered Securities the Company actually proposes to issue, sell or exchange (including Offered Securities to be issued or sold to Qualified Holders pursuant to this Section 5 prior to such reduction) and (B) the denominator of which shall be the original amount of the Offered Securities. In the event that any Qualified Holder so elects to reduce the number or amount of Offered Securities specified in its Notice of Acceptance, the Company may not issue, sell or exchange more than the reduced number or amount of the Offered Securities unless and until such securities have again been offered to the Qualified Holders in accordance with Section 5(a) above.
- e) Upon the closing of the issuance, sale or exchange of all or less than all of the Refused Securities, such Qualified Holder shall acquire from the Company, and the Company shall issue to such Qualified Holder, the number or amount of Offered Securities specified in its Notice of Acceptance, as reduced pursuant to Section 5(d) above if such Qualified Holder has so elected, upon the terms and conditions specified in the Offer. The purchase by such Qualified Holder of any Offered Securities is subject in all cases to the preparation, execution and delivery by the Company and such Qualified Holder of a separate purchase agreement relating to such Offered Securities reasonably satisfactory in form and substance to such Qualified Holder and its counsel.
- f) Any Offered Securities not acquired by a Qualified Holder or other Persons in accordance with this Section 5 may not be issued, sold or exchanged until they are again offered to such Qualified Holder under the procedures specified in this Agreement.
- g) The Company and each Qualified Holder agree that if any Qualified Holder elects to participate in the Offer, neither the Subsequent Placement Agreement with respect to such Offer nor any other transaction documents related thereto (collectively, the "<u>Subsequent Placement Documents</u>") shall include any term or provision whereby such Qualified Holder shall be required to agree to any restrictions on trading as to any securities of the Company or be required to consent to any amendment to or termination of, or grant any waiver, release or the like under or in connection with, any agreement previously entered into with the Company or any instrument received from the Company.
- h) Notwithstanding anything to the contrary in this Section 5 and unless otherwise agreed to by such Qualified Holder, the Company shall either confirm in writing to such Qualified Holder that the transaction with respect to the Subsequent Placement has been abandoned or shall publicly disclose its intention to issue the Offered Securities, in either case, in such a manner such that such Qualified Holder will not be in possession of any material, non-public information, by the fifth (5th) Business Day following delivery of the Offer Notice. If by such fifth (5th) Business Day, no public disclosure regarding a transaction with respect to the Offered Securities has been made, and no notice regarding the abandonment of such transaction has been received by such Qualified Holder, such transaction shall be deemed to have been abandoned and such Qualified Holder shall not be in possession of any material, non-public information with respect to the Company or any of its Subsidiaries. Should the Company decide to pursue such transaction with respect to the Offered Securities, the Company shall provide such Qualified Holder with another Offer Notice and such Qualified Holder will again have the right of participation set forth in this Section 5. The Company shall not be permitted to deliver more than one such Offer Notice to such Qualified Holder in any sixty (60) day period, except as expressly contemplated by the last sentence of Section 5(b).
- i) The restrictions contained in this Section 5 shall not apply in connection with the issuance of any Exempt Issuance. The Company shall not circumvent the provisions of this Section 5 by providing terms or conditions to one Qualified Holder that are not provided to all Qualified Holders.

Section 6. Subsequent Equity Sales. From the date hereof until two (2) years from the Initial Exercise Date, without the prior written consent of the holders of the majority of the Warrants held by the Qualified Holders, neither the Company nor any Subsidiary shall (i) issue, enter into any agreement to issue or announce the issuance or proposed issuance of any Common Stock or Common Stock Equivalents or (ii) file any registration statement (except for any registration statement on Form S-8, or any post-effective amendment to the Registration Statement (as defined in the Underwriting Agreement) to maintain its effectiveness or any amendment or supplement thereto (excluding any amendment or supplement to the Registration Statement to maintain its effectiveness). Notwithstanding the foregoing, this Section 6 shall not apply in respect of any Exempt Issuance.

Section 7. Miscellaneous.

- a) No Rights as Stockholder until Exercise; No Settlement in Cash. 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, including if the Company is for any reason unable to issue and deliver Warrant Shares upon exercise of this Warrant as required pursuant to the terms hereof, in no event shall the Company be required to net cash settle an exercise of this Warrant or cash settle in any other form.
- 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, 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.

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 may validly and legally issue fully paid and nonassessable 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.

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) Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Warrant 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 Warrant (whether brought against a party hereto or their 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, Borough of Manhattan for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein, and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of any such court, that such suit, action or proceeding is improper or is an inconvenient venue for such proceeding. Each party hereby irrevocably waives personal service of process and consents to process being served in any such suit, 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 Warrant 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 either party shall commence an action, suit or proceeding to enforce any provisions of this Warrant, the prevailing party in such action, suit or proceeding shall be reimbursed by the other party for their reasonable attorneys' fees and other costs and expenses incurred with the investigation, preparation and prosecution of such action or proceeding. Notwithstanding the foregoing, nothing in this paragraph shall limit or restrict the federal district court in which a Holder may bring a claim under the U.S. federal securities laws.
- 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) Non-waiver 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. No provision of this Warrant shall be construed as a waiver by the Holder of any rights which the Holder may have under the U.S. federal securities laws and the rules and regulations of the Commission thereunder. Without limiting any other provision of this Warrant, 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 and all notices or other communications or deliveries to be provided by the Holders hereunder including, without limitation, any Notice of Exercise, shall be in writing and delivered personally, by e-mail, or sent by a nationally recognized overnight courier service, addressed to the Company, at 6500 Trans-Canada Highway, 4th Floor, Pointe-Claire, Quebec, Canada H9R 0A5, Attention: Chief Executive Officer, email address: steve.slilaty@sunshinebiopharma.com, or such other email address or address as the Company may specify for such purposes by notice to the Holders. Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by e-mail, or sent by a nationally recognized overnight courier service addressed to each Holder at the e-mail address or address of such Holder appearing on the books of the Company. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the time of transmission, if such notice or communication is delivered via e-mail at the e-mail address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the time of transmission, if such notice or communication is delivered via e-mail at the e-mail address set forth in this Section on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service, or (iv) upon actual receipt by the party to whom such notice is required to be given. To the extent that any notice provided hereunder 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.

- 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) Remedies. 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.
- 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.
- l) <u>Amendment</u>. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company, on the one hand, and the Holder, on the other hand.
- m) <u>Severability</u>. 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) <u>Headings</u>. 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.
- o) <u>Warrant Agency Agreement.</u> If this Warrant is held in global form through DTC (or any successor depositary), this Warrant is issued subject to the Warrant Agency Agreement. To the extent any provision of this Warrant conflicts with the express provisions of the Warrant Agency Agreement, the provisions of this Warrant shall govern and be controlling.

(Signature Page Follows)

	IN WITNESS	WHEREOF, the	Company l	nas caused this	Warrant to b	e executed by	y its officer	thereunto dul	y authorized	as of the
date first above in	ndicated.									

SUNSHINE BIOPHARMA, INC.

By:
Name: Dr. Steve N. Slilaty
Title: Chief Executive Officer

Annex A

NOTICE OF EXERCISE

10: SUNSHINE BIOPHARMA, 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):
[] in lawful money of the United States; or
[] [if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula se 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:
[SIGNATURE OF HOLDER]
Name of Investing Entity:
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Annex B

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:					
	((Please Print)			
Address:	_				
	((Please Print)			
Phone Number:	_				
Email Address:					
Dated:,,					
Holder's Signature:					
Holder's Address:					
(Signature Guaranteed):	Date:				
Signature to be guaranteed by an authorized officer member of a recognized stock exchange.	of a chartered bank,	trust company	or medallion guard	anteed by an inve	stment dealer who is c
	19	9			

WARRANT AGENT AGREEMENT

This WARRANT AGENT AGREEMENT (this "Warrant Agreement") dated as of February 17, 2022 (the "Issuance Date") is between Sunshine Biopharma, Inc., a Colorado corporation (the "Company"), and Equiniti Trust Company (the "Warrant Agent").

WHEREAS, pursuant to the terms of that certain Underwriting Agreement ("<u>Underwriting Agreement</u>"), dated February 15, 2022, by and among the Company and Aegis Capital Corp., as the underwriter set forth therein (the "<u>Underwriter</u>"), the Company is engaged in a public offering of (i) common units (the "<u>Common Units</u>"), with each Common Unit consisting of one (1) share of common stock, par value \$0.001 per share (the "<u>Common Stock</u>") of the Company, two (2) warrants (each a "<u>Tradeable Warrant</u>", and collectively, the "<u>Tradeable Warrants</u>") of the Company to purchase one (1) share each of Common Stock; (ii) pre-funded units (the "<u>Pre-funded Units</u>"), with each Pre-funded Unit consisting of one (1) pre-funded warrant to purchase one share of common stock at an exercise price of \$0.001 per share (a "<u>Pre-funded Warrant</u>," and collectively, the "<u>Pre-funded Warrants</u>"; together with the Tradeable Warrants, the "<u>Warrants</u>") and two (2) Tradeable Warrants; and (iii) Common Stock, Pre-funded Warrants and/or Tradeable Warrants issuable pursuant to the Underwriter's over-allotment option granted pursuant to the Underwriting Agreement;

WHEREAS, the Company has filed with the Securities and Exchange Commission (the "<u>Commission</u>") a Registration Statement on Form S-1 (File No. 333-259394) (as the same may be amended from time to time, the "<u>Registration Statement</u>"), for the registration under the Securities Act of 1933, as amended (the "<u>Securities Act</u>"), of the Common Units, Pre-funded Units, common stock, Pre-funded Warrants, Tradeable Warrants, and shares underlying Pre-funded Warrants and Tradeable Warrants, and such Registration Statement was declared effective on February 14, 2022; and

WHEREAS, the Company desires the Warrant Agent to act on behalf of the Company, and the Warrant Agent is willing to so act, in accordance with the terms set forth in this Warrant Agreement in connection with the issuance, registration, transfer, exchange and exercise of the Warrants;

WHEREAS, the Company desires to provide for the provisions of the Warrants, the terms upon which they shall be issued and exercised, and the respective rights, limitation of rights, and immunities of the Company, the Warrant Agent, and the holders of the Warrants; and

WHEREAS, all acts and things have been done and performed which are necessary to make the Warrants the valid, binding and legal obligations of the Company, and to authorize the execution and delivery of this Warrant Agreement.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, the parties hereto agree as follows:

1. <u>Appointment of Warrant Agent</u>. The Company hereby appoints the Warrant Agent to act as agent for the Company with respect to the Warrants, and the Warrant Agent hereby accepts such appointment and agrees to perform the same in accordance with the express terms and conditions set forth in this Warrant Agreement (and no implied terms or conditions).

2. Warrants.

2.1. Form of Warrants. The Pre-Funded Warrants and Tradeable Warrants shall be registered securities and shall be evidenced by a global warrant ("Global Warrant") in the forms of Exhibit A-1 and Exhibit A-2 to this Warrant Agreement, which shall be deposited on behalf of the Company with a custodian for The Depository Trust Company ("DTC") and registered in the name of Cede & Co., a nominee of DTC. The terms of the Global Warrant are incorporated herein by reference. If DTC subsequently ceases to make its book-entry settlement system available for the Warrants, the Company may instruct the Warrant Agent regarding making other arrangements for book-entry settlement. In the event that the Warrants are not eligible for, or it is no longer necessary to have the Warrants available in, book-entry form, the Company may instruct the Warrant Agent to provide written instructions to DTC to deliver to the Warrant Agent for cancellation the Global Warrant, and the Company shall instruct the Warrant Agent to deliver to DTC separate certificates evidencing Warrants ("Definitive Certificates" and, together with the Global Warrant, "Warrant Certificates") registered as requested through the DTC system.

2.2. Issuance and Registration of Warrants.

2.2.1. Warrant Register. The Warrant Agent shall maintain books ("Warrant Register") for the registration of original issuance and the registration of transfer of the Warrants. Any Person in whose name ownership of a beneficial interest in the Warrants evidenced by a Global Certificate is recorded in the records maintained by DTC or its nominee shall be deemed to the "beneficial owner" thereof; provided, that all such beneficial interests shall be held through a Participant of DTC.

- 2.2.2. <u>Issuance of Warrants</u>. Upon the initial issuance of the Warrants, the Warrant Agent shall issue the Global Warrant and deliver the Warrants in the DTC book-entry settlement system in accordance with written instructions delivered to the Warrant Agent by the Company. Ownership of security entitlements in the Warrants shall be shown on, and the transfer of such ownership shall be effected through, records maintained (i) by DTC and (ii) by institutions that have accounts with DTC (each, a "<u>Participant</u>").
- 2.2.3. Beneficial Owner; Holder. Prior to due presentment for registration of transfer of any Warrant, the Company and the Warrant Agent may deem and treat the person in whose name that Warrant shall be registered on the Warrant Register (the "Holder," which shall include a Holder's transferees, successors and assigns and a "Holder" shall include, if the Warrants are held in "street name," a Participant, any designee appointed by such Participant and each "beneficial owner" of such Warrants) as the absolute owner of such Warrant for purposes of any exercise thereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Notwithstanding the foregoing, nothing herein shall prevent the Company, the Warrant Agent or any agent of the Company or the Warrant Agent from giving effect to any written certification, proxy or other authorization furnished by DTC governing the exercise of the rights of a holder of a beneficial interest in any Warrant. The rights of beneficial owners in a Warrant evidenced by the Global Warrant shall be exercised by the Holder or a Participant through the DTC system, except to the extent set forth herein or in the Global Warrant.
- 2.2.4. Delivery of Warrant Certificate. A Holder has the right to elect at any time or from time to time a Warrant Exchange (as defined below) pursuant to a Warrant Certificate Request Notice (as defined below). Upon written notice by a Holder to the Warrant Agent for the exchange of some or all of such Holder's Global Warrants for a Warrant Certificate evidencing the same number of Warrants, which request shall be in the form attached hereto as Exhibit B (a "Warrant Certificate Request Notice" and the date of delivery of such Warrant Certificate Request Notice by the Holder, the "Warrant Certificate Request Notice Date" and the deemed surrender upon delivery by the Holder of a number of Global Warrants for the same number of Warrants evidenced by a Warrant Certificate, a "Warrant Exchange"), the Warrant Agent shall promptly effect the Warrant Exchange and shall promptly issue and deliver to the Holder a Warrant Certificate for such number of Warrants in the name set forth in the Warrant Certificate Request Notice. Such Warrant Certificate shall be dated the date of issuance of the Warrant Certificate, shall include the initial exercise date of the Warrants, shall be executed by an authorized signatory of the Company and shall be reasonably acceptable in all respects to such Holder. In connection with a Warrant Exchange, the Company agrees to deliver, or to direct the Warrant Agent to deliver, the Warrant Certificate to the Holder within three (3) Trading Days of the Warrant Certificate Request Notice pursuant to the delivery instructions in the Warrant Certificate Request Notice ("Warrant Certificate Delivery Date"). If the Company fails for any reason to deliver to the Holder the Warrant Certificate subject to the Warrant Certificate Request Notice by the Warrant Certificate Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each \$1,000 of shares of Common Stock issuable upon exercise of the Warrants (the "Warrant Shares") evidenced by such Warrant Certificate (based on the VWAP (as defined in the Warrants) of the Common Stock on the Warrant Certificate Request Notice Date), \$10 per Trading Day for each Trading Day after such Warrant Certificate Delivery Date until such Warrant Certificate is delivered or, prior to delivery of such Warrant Certificate, the Holder rescinds such Warrant Exchange. The Company covenants and agrees that, upon the date of delivery of the Warrant Certificate Request Notice, the Holder shall be deemed to be the holder of the Warrant Certificate and, notwithstanding anything to the contrary set forth herein, the Warrant Certificate shall be deemed for all purposes to contain all of the terms and conditions of the Warrants evidenced by such Warrant Certificate and the terms of this Agreement.
- 2.2.5. Execution. The Warrant Certificates shall be executed on behalf of the Company by any authorized officer of the Company (an "Authorized Officer"), which need not be the same authorized signatory for all of the Warrant Certificates, either manually or by facsimile signature. The Warrant Certificates shall be countersigned by an authorized signatory of the Warrant Agent, which need not be the same signatory for all of the Warrant Certificates, and no Warrant Certificate shall be valid for any purpose unless so countersigned. In case any Authorized Officer of the Company that signed any of the Warrant Certificates ceases to be an Authorized Officer of the Company before countersignature by the Warrant Agent and issuance and delivery by the Company, such Warrant Certificates, nevertheless, may be countersigned by the Warrant Agent, issued and delivered with the same force and effect as though the person who signed such Warrant Certificates had not ceased to be such officer of the Company; and any Warrant Certificate may be signed on behalf of the Company by any person who, at the actual date of the execution of such Warrant Certificate, shall be an Authorized Officer of the Company authorized to sign such Warrant Certificate, although at the date of the execution of this Warrant Agreement any such person was not such an Authorized Officer.

- 2.2.6. Registration of Transfer. At any time at or prior to the Expiration Date (as defined below), a transfer of any Warrants may be registered and any Warrant Certificate or Warrant Certificates may be split up, combined or exchanged for another Warrant Certificate or Warrant Certificates evidencing the same number of Warrants as the Warrant Certificate or Warrant Certificates surrendered. Any Holder desiring to register the transfer of Warrants or to split up, combine or exchange any Warrant Certificate shall make such request in writing delivered to the Warrant Agent, and shall surrender to the Warrant Agent the Warrant Certificate or Warrant Certificates evidencing the Warrants the transfer of which is to be registered or that is or are to be split up, combined or exchanged and, in the case of registration of transfer, shall provide a signature guarantee. Thereupon, the Warrant Agent shall countersign and deliver to the person entitled thereto a Warrant Certificate or Warrant Certificates, as the case may be, as so requested. The Company and the Warrant Agent may require payment, by the Holder requesting a registration of transfer of Warrants or a split-up, combination or exchange of a Warrant Certificate (but, for purposes of clarity, not upon the exercise of the Warrants and issuance of Warrant Shares to the Holder), of a sum sufficient to cover any tax or governmental charge that may be imposed in connection with such registration of transfer, split-up, combination or exchange, together with reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto. All such fees and expenses shall be paid by the Company, and not by any Holder.
- 2.2.7. Loss, Theft and Mutilation of Warrant Certificates. Upon receipt by the Company and the Warrant Agent of evidence reasonably satisfactory to them of the loss, theft, destruction or mutilation of a Warrant Certificate, and, in case of loss, theft or destruction, of indemnity or security in customary form and amount, and reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto, and upon surrender to the Warrant Agent and cancellation of the Warrant Certificate if mutilated, the Warrant Agent shall, on behalf of the Company, countersign and deliver a new Warrant Certificate of like tenor to the Holder in lieu of the Warrant Certificate so lost, stolen, destroyed or mutilated. The Warrant Agent may charge the Holder an administrative fee for processing the replacement of lost Warrant Certificates,. The Warrant Agent may receive compensation from the surety companies or surety agents for administrative services provided to them.
- 2.2.8. <u>Proxies</u>. The Holder of a Warrant may grant proxies or otherwise authorize any person, including the Participants and beneficial holders that may own interests through the Participants, to take any action that a Holder is entitled to take under this Agreement or the Warrants; <u>provided</u>, <u>however</u>, that at all times that Warrants are evidenced by a Global Warrant, exercise of those Warrants shall be effected on their behalf by Participants through DTC in accordance the procedures administered by DTC.

3. Terms and Exercise of Warrants.

- 3.1. Exercise Price. Each Warrant shall entitle the Holder, subject to the provisions of the applicable Warrant Certificate and of this Warrant Agreement, to purchase from the Company the number of shares of Common Stock stated therein, at the price of \$0.001 per whole share, with respect to the Pre-Funded Warrants, or \$4.25 with respect to the Tradeable Warrants, subject to the subsequent adjustments provided in the Global Warrant. The term "Exercise Price" as used in this Warrant Agreement refers to the price per share at which shares of Common Stock may be purchased at the time a Warrant is exercised.
- 3.2. <u>Duration of Warrants</u>. A Warrant may be exercised only during the period ("<u>Exercise Period</u>") commencing on the date of issuance and ending on the Termination Date. For purposes of this Warrant Agreement, the "<u>Termination Date</u>" shall have the meaning set forth in the Global Warrant. Each Warrant not exercised on or before the Termination Date shall cease to be exercisable at the close of business on the Termination Date.

3.3. Exercise of Warrants.

3.3.1. Exercise. Subject to the provisions of the Global Warrant, a Holder (or a Participant or a designee of a Participant acting on behalf of a Holder) may exercise Warrants by delivering to the Warrant Agent during the Exercise Period a notice of exercise of the Warrants to be exercised (i) in the form attached to the Global Warrant or (ii) via an electronic warrant exercise through the DTC system (each, an "Election to Purchase"); provided, that if a Holder exercises a Warrant later than 5:00 P.M., New York City time on any Trading Day or at any time on a day that is not a Trading Day, the Warrant will be deemed exercised as of opening of trading on the next Trading Day. All other requirements for the exercise of a Warrant shall be as set forth in the Warrant. All exercise funds shall be delivered to the Warrant Agent for the processing of the exercises.

- 3.3.2. The Warrant Agent shall, by 5:00 p.m., New York City time, on the Trading Day following the Exercise Date of any Warrant, advise the Company, the transfer agent and registrar for the Company's Common Stock, in respect of (i) the number of Warrant Shares indicated on the Notice of Exercise as issuable upon such exercise with respect to such exercised Warrants, (ii) the instructions of the Holder or Participant, as the case may be, provided to the Warrant Agent with respect to the delivery of the Warrant Shares and the number of Warrants that remain outstanding after such exercise and (iii) such other information as the Company or such transfer agent and registrar shall reasonably request. The Company shall issue the Warrant Shares in compliance with the terms of the Warrant.
- 3.3.3. <u>Valid Issuance</u>. All Warrant Shares issued by the Company upon the proper exercise of a Warrant in conformity with this Warrant Agreement shall be validly issued, fully paid and non-assessable.
- 3.3.4. No Fractional Exercise. Notwithstanding any provision contained in this Warrant Agreement to the contrary, no fractional shares or scrip representing fractional shares shall be issued upon the exercise of the 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.
- 3.3.5. No Transfer Taxes. The Company shall not be required to pay any stamp or other tax or governmental charge required to be paid in connection with any transfer involved in the issue of the Warrant Shares upon the exercise of Warrants; and in the event that any such transfer is involved, the Company shall not be required to issue or deliver any Warrant Shares until such tax or other charge shall have been paid or it has been established to the Company's satisfaction that no such tax or other charge is due.
- 3.3.6. <u>Date of Issuance</u>. The Company will treat an exercising Holder as a beneficial owner of the Warrant Shares as of the Exercise Date, and for purposes of Regulation SHO, a holder whose interest in this Warrant is a beneficial interest in certificate(s) representing this Warrant held in book-entry form through DTC shall be deemed to have exercised its interest in this Warrant upon instructing its broker that is a DTC participant to exercise its interest in this Warrant, except that, if the Exercise Date is a date when the stock transfer books of the Company are closed, such person shall be deemed to have become the holder of such shares at the open of business on the next succeeding date on which the stock transfer books are open.
- 4. Adjustments. Upon every adjustment of the Exercise Price or the number of Warrant Shares issuable upon exercise of a Warrant, the Company shall give written notice thereof to the Warrant Agent, which notice shall state the Exercise Price resulting from such adjustment and the increase or decrease, if any, in the number of Warrant Shares purchasable at such price upon the exercise of a Warrant, setting forth in reasonable detail the method of calculation and the facts upon which such calculation is based. Upon the occurrence of any event specified in Section 3 of the Warrant, then, in any such event, the Company shall give written notice to the Warrant Agent. Failure to give such notice, or any defect therein, shall not affect the legality or validity of such event. The Warrant Agent shall be entitled to rely conclusively on, and shall be fully protected in relying on, any certificate, notice or instructions provided by the Company with respect to any adjustment of the Exercise Price or the number of shares issuable upon exercise of a Warrant, or any related matter, and the Warrant Agent shall not be liable for any action taken, suffered or omitted to be taken by it in accordance with any such certificate, notice or instructions or pursuant to this Warrant Agreement. The Warrant Agent shall not be deemed to have knowledge of any such adjustment unless and until it shall have received written notice thereof from the Company.
- 5. <u>Restrictive Legends</u>; <u>Fractional Warrants</u>. In the event that a Warrant Certificate surrendered for transfer bears a restrictive legend, the Warrant Agent shall not register that transfer until the Warrant Agent has received an opinion of counsel for the Company stating that such transfer may be made and indicating whether the Warrants must also bear a restrictive legend upon that transfer. The Warrant Agent shall not be required to effect any registration of transfer or exchange which will result in the transfer of or delivery of a Warrant Certificate for a fraction of a Warrant.

6. Other Provisions Relating to Rights of Holders of Warrants.

6.1. No Rights as Stockholder. Except as otherwise specifically provided herein, a Holder, solely in its capacity as a holder of Warrants, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant Agreement be construed to confer upon a Holder, solely in its capacity as the registered holder of Warrants, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of share capital, consolidation, merger, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights or rights to participate in new issues of shares, or otherwise, prior to the issuance to the Holder of the Warrant Shares which it is then entitled to receive upon the due exercise of Warrants.

- 6.2. <u>CEO Agrees Not to Vote or Transfer Preferred Stock.</u> Dr. Steve N. Slilaty hereby covenants and agrees that, while any Warrants are outstanding, that he will not (i) exercise any voting rights pursuant to his ownership of any preferred stock of the Company, or (ii) transfer any shares of preferred stock of the Company held by him as of the date hereof or acquired by him while any Warrants are outstanding. The Company hereby acknowledges and agrees that it will not, while any Warrants are outstanding (i) allow Dr. Slilaty to exercise any voting rights pursuant to his ownership of any preferred stock of the Company or (ii) allow Dr. Slilaty to transfer any shares of preferred stock on the books and records of the Company.
- 6.3 <u>Reservation of Common Stock</u>. The Company shall at all times reserve and keep available a number of its authorized but unissued shares of Common Stock that will be sufficient to permit the exercise in full of all outstanding Warrants issued pursuant to this Warrant Agreement.

7. Concerning the Warrant Agent and Other Matters.

- 7.1. Any instructions given to the Warrant Agent orally, as permitted by any provision of this Warrant Agreement, shall be confirmed in writing by the Company as soon as practicable. The Warrant Agent shall not be liable or responsible and shall be fully authorized and protected for acting, or failing to act, in accordance with any oral instructions which do not conform with the written confirmation received in accordance with this Section 7.1.
- 7.2. (a) Whether or not any Warrants are exercised, for the Warrant Agent's services as agent for the Company hereunder, the Company shall pay to the Warrant Agent such fees as may be separately agreed between the Company and Warrant Agent and the Warrant Agent's out of pocket expenses in connection with this Warrant Agreement, including, without limitation, the fees and expenses of the Warrant Agent's counsel. While the Warrant Agent endeavors to maintain out-of-pocket charges (both internal and external) at competitive rates, these charges may not reflect actual out-of-pocket costs, and may include handling charges to cover internal processing and use of the Warrant Agent's billing systems. (b) All amounts owed by the Company to the Warrant Agent under this Warrant Agreement are due within 30 days of the invoice date. Delinquent payments are subject to a late payment charge of one and one-half percent (1.5%) per month commencing 45 days from the invoice date. The Company agrees to reimburse the Warrant Agent for any attorney's fees and any other costs associated with collecting delinquent payments. (c) No provision of this Warrant Agreement shall require Warrant Agent to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties under this Warrant Agreement or in the exercise of its rights.
- 7.3. As agent for the Company hereunder the Warrant Agent: (a) shall have no duties or obligations other than those specifically set forth herein or as may subsequently be agreed to in writing by the Warrant Agent and the Company; (b) shall be regarded as making no representations and having no responsibilities as to the validity, sufficiency, value, or genuineness of the Warrants or any Warrant Shares; (c) shall not be obligated to take any legal action hereunder; if, however, the Warrant Agent determines to take any legal action hereunder, and where the taking of such action might, in its judgment, subject or expose it to any expense or liability it shall not be required to act unless it has been furnished with an indemnity reasonably satisfactory to it; (d) may rely on and shall be fully authorized and protected in acting or failing to act upon any certificate, instrument, opinion, notice, letter, telegram, telex, facsimile transmission or other document or security delivered to the Warrant Agent and believed by it to be genuine and to have been signed by the proper party or parties; (e) shall not be liable or responsible for any recital or statement contained in the Registration Statement or any other documents relating thereto; (f) shall not be liable or responsible for any failure on the part of the Company to comply with any of its covenants and obligations relating to the Warrants, including without limitation obligations under applicable securities laws; (g) may rely on and shall be fully authorized and protected in acting or failing to act upon the written, telephonic or oral instructions with respect to any matter relating to its duties as Warrant Agent covered by this Warrant Agreement (or supplementing or qualifying any such actions) of officers of the Company, and is hereby authorized and directed to accept instructions with respect to the performance of its duties hereunder from the Company or counsel to the Company, and may apply to the Company, for advice or instructions in connection with the Warrant Agent's duties hereunder, and the Warrant Agent shall not be liable for any delay in acting while waiting for those instructions; any applications by the Warrant Agent for written instructions from the Company may, at the option of the Agent, set forth in writing any action proposed to be taken or omitted by the Warrant Agent under this Warrant Agreement and the date on or after which such action shall be taken or such omission shall be effective; the Warrant Agent shall not be liable for any action taken by, or omission of, the Warrant Agent in accordance with a proposal included in such application on or after the date specified in such application (which date shall not be less than five business days after the date such application is sent to the Company, unless the Company shall have consented in writing to any earlier date) unless prior to taking any such action, the Warrant Agent shall have received written instructions in response to such application specifying the action to be taken or omitted; (h) may consult with counsel satisfactory to the Warrant Agent, including its in-house counsel, and the advice of such counsel shall be full and complete authorization and protection in respect of any action taken, suffered, or omitted by it hereunder in good faith and in accordance with the advice of such counsel; (i) may perform any of its duties hereunder either directly or by or through nominees, correspondents, designees, or subagents, and it shall not be liable or responsible for any misconduct or negligence on the part of any nominee, correspondent, designee, or subagent appointed with reasonable care by it in connection with this Warrant Agreement; (j) is not authorized, and shall have no obligation, to pay any brokers, dealers, or soliciting fees to any person; and (k) shall not be required hereunder to comply with the laws or regulations of any country other than the United States of America or any political subdivision thereof.

- 7.4. (a) In the absence of gross negligence or willful or illegal misconduct on its part, as defined in Section 7.5, the Warrant Agent shall not be liable for any action taken, suffered, or omitted by it or for any error of judgment made by it in the performance of its duties under this Warrant Agreement. Anything in this Warrant Agreement to the contrary notwithstanding, in no event shall Warrant Agent be liable for special, indirect, incidental, consequential or punitive losses or damages of any kind whatsoever (including but not limited to lost profits), even if the Warrant Agent has been advised of the possibility of such losses or damages and regardless of the form of action. Any liability of the Warrant Agent will be limited in the aggregate to one year's fees paid by the Company hereunder. The Warrant Agent shall not be liable for any failures, delays or losses, arising directly or indirectly out of conditions beyond its reasonable control including, but not limited to, acts of government, exchange or market ruling, suspension of trading, work stoppages or labor disputes, fires, civil disobedience, riots, rebellions, storms, electrical or mechanical failure, computer hardware or software failure, communications facilities failures including telephone failure, war, terrorism, insurrection, earthquakes, floods, acts of God or similar occurrences. (b) In the event any question or dispute arises with respect to the proper interpretation of the Warrants or the Warrant Agent's duties under this Warrant Agreement or the rights of the Company or of any Holder, the Warrant Agent shall not be required to act and shall not be held liable or responsible for its refusal to act until the question or dispute has been judicially settled (and, if appropriate, it may file a suit in interpleader or for a declaratory judgment for such purpose) by final judgment rendered by a court of competent jurisdiction, binding on all persons interested in the matter which is no longer subject to review or appeal, or settled by a written document in form and substance satisfactory to Warrant Agent and executed by the Company and each such Holder. In addition, the Warrant Agent may require for such purpose, but shall not be obligated to require, the execution of such written settlement by all the Holders and all other persons that may have an interest in the settlement.
- 7.5. The Company covenants to indemnify the Warrant Agent and hold it harmless from and against any loss, liability, claim or expense ("Loss") arising out of or in connection with the Warrant Agent's duties under this Warrant Agreement, including the costs and expenses of defending itself against any Loss, unless such Loss shall have been determined by a court of competent jurisdiction to be a result of the Warrant Agent's gross negligence or willful misconduct.
- 7.6. Unless terminated earlier by the parties hereto, this Agreement shall terminate 90 days after the earlier of the Expiration Date and the date on which no Warrants remain outstanding (the "<u>Termination Date</u>"). On the business day following the Termination Date, the Agent shall deliver to the Company any entitlements, if any, held by the Warrant Agent under this Warrant Agreement. The Agent's right to be reimbursed for fees, charges and out-of-pocket expenses as provided in this Section 8 shall survive the termination of this Warrant Agreement.
- 7.7. If any provision of this Warrant Agreement shall be held illegal, invalid, or unenforceable by any court, this Warrant Agreement shall be construed and enforced as if such provision had not been contained herein and shall be deemed an Agreement among the parties to it to the full extent permitted by applicable law.
- 7.8. The Company represents and warrants that: (a) it is duly incorporated and validly existing under the laws of its jurisdiction of incorporation; (b) the offer and sale of the Warrants and the execution, delivery and performance of all transactions contemplated thereby (including this Warrant Agreement) have been duly authorized by all necessary corporate action and will not result in a breach of or constitute a default under the articles of association, bylaws or any similar document of the Company or any indenture, agreement or instrument to which it is a party or is bound; (c) this Warrant Agreement has been duly executed and delivered by the Company and constitutes the legal, valid, binding and enforceable obligation of the Company; (d) the Warrants will comply in all material respects with all applicable requirements of law; and (e) to the best of its knowledge, there is no litigation pending or threatened as of the date hereof in connection with the offering of the Warrants.
- 7.9. In the event of inconsistency between this Warrant Agreement and the descriptions in the Warrant Certificate, as it may from time to time be amended, the terms of the Warrant Certificate shall control.
- 7.10. Set forth in <u>Exhibit C</u> hereto is a list of the names and specimen signatures of the persons authorized to act for the Company under this Warrant Agreement (the "<u>Authorized Representatives</u>"). The Company shall, from time to time, certify to you the names and signatures of any other persons authorized to act for the Company under this Warrant Agreement.
- 7.11. Except as expressly set forth elsewhere in this Warrant Agreement, all notices, instructions and communications under this Agreement shall be in writing, shall be effective upon receipt and shall be addressed, if to the Company, to its address set forth beneath its signature to this Agreement, or, if to the Warrant Agent, to Equiniti Trust Company, 1110 Centre Pointe Curve, Suite 101, Mendota Heights, Minnesota 55120, or to such other address of which a party hereto has notified the other party.

7.12. (a) This Warrant Agreement shall be governed by and construed in accordance with the laws of the State of New York. All actions and proceedings relating to or arising from, directly or indirectly, this Warrant Agreement may be litigated in courts located within the Borough of Manhattan in the City and State of New York. The Company hereby submits to the personal jurisdiction of such courts and consents that any service of process may be made by certified or registered mail, return receipt requested, directed to the Company at its address last specified for notices hereunder. Each of the parties hereto hereby waives the right to a trial by jury in any action or proceeding arising out of or relating to this Warrant Agreement. (b) This Warrant Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. This Warrant Agreement may not be assigned, or otherwise transferred, in whole or in part, by either party without the prior written consent of the other party, which the other party will not unreasonably withhold, condition or delay; except that (i) consent is not required for an assignment or delegation of duties by Warrant Agent to any affiliate of Warrant Agent and (ii) any reorganization, merger, consolidation, sale of assets or other form of business combination by Warrant Agent or the Company shall not be deemed to constitute an assignment of this Warrant Agreement. (c) No provision of this Warrant Agreement may be amended, modified or waived, except in a written document signed by both parties. The Company and the Warrant Agent may amend or supplement this Warrant Agreement without the consent of any Holder for the purpose of curing any ambiguity, or curing, correcting or supplementing any defective provision contained herein or adding or changing any other provisions with respect to matters or questions arising under this Agreement as the parties may deem necessary or desirable and that the parties determine, in good faith, shall not adversely affect the interest of the Holders. All other amendments and supplements shall require the vote or written consent of Holders of at least 50.1% of the then outstanding Warrants, provided that adjustments may be made to the Warrant terms and rights in accordance with Section 4 without the consent of the Holders.

7.13. Payment of Taxes. The Company will from time to time promptly pay all taxes and charges that may be imposed upon the Company or the Warrant Agent in respect of the issuance or delivery of Warrant Shares upon the exercise of Warrants, but the Company may require the Holders to pay any transfer taxes in respect of the Warrants or such shares. The Warrant Agent may refrain from registering any transfer of Warrants or any delivery of any Warrant Shares unless or until the persons requesting the registration or issuance shall have paid to the Warrant Agent for the account of the Company the amount of such tax or charge, if any, or shall have established to the reasonable satisfaction of the Company and the Warrant Agent that such tax or charge, if any, has been paid.

7.14. Resignation of Warrant Agent.

7.14.1. Appointment of Successor Warrant Agent. The Warrant Agent, or any successor to it hereafter appointed, may resign its duties and be discharged from all further duties and liabilities hereunder after giving thirty (30) days' notice in writing to the Company, or such shorter period of time agreed to by the Company. The Company may terminate the services of the Warrant Agent, or any successor Warrant Agent, after giving thirty (30) days' notice in writing to the Warrant Agent or successor Warrant Agent, or such shorter period of time as agreed. If the office of the Warrant Agent becomes vacant by resignation, termination or incapacity to act or otherwise, the Company shall appoint in writing a successor Warrant Agent in place of the Warrant Agent. If the Company shall fail to make such appointment within a period of 30 days after it has been notified in writing of such resignation or incapacity by the Warrant Agent, then the Warrant Agent or any Holder may apply to any court of competent jurisdiction for the appointment of a successor Warrant Agent at the Company's cost. Pending appointment of a successor to such Warrant Agent, either by the Company or by such a court, the duties of the Warrant Agent shall be carried out by the Company. Any successor Warrant Agent (but not including the initial Warrant Agent), whether appointed by the Company or by such court, shall be a person organized and existing under the laws of any state of the United States of America, in good standing, and authorized under such laws to exercise corporate trust powers and subject to supervision or examination by federal or state authority. After appointment, any successor Warrant Agent shall be vested with all the authority, powers, rights, immunities, duties, and obligations of its predecessor Warrant Agent with like effect as if originally named as Warrant Agent hereunder, without any further act or deed, and except for executing and delivering documents as provided in the sentence that follows, the predecessor Warrant Agent shall have no further duties, obligations, responsibilities or liabilities hereunder, but shall be entitled to all rights that survive the termination of this Warrant Agreement and the resignation or removal of the Warrant Agent, including but not limited to its right to indemnity hereunder. If for any reason it becomes necessary or appropriate or at the request of the Company, the predecessor Warrant Agent shall execute and deliver, at the expense of the Company, an instrument transferring to such successor Warrant Agent all the authority, powers, and rights of such predecessor Warrant Agent hereunder; and upon request of any successor Warrant Agent the Company shall make, execute, acknowledge, and deliver any and all instruments in writing for more fully and effectually vesting in and confirming to such successor Warrant Agent all such authority, powers, rights, immunities, duties, and obligations.

- 7.14.2. <u>Notice of Successor Warrant Agent</u>. In the event a successor Warrant Agent shall be appointed, the Company shall give notice thereof to the predecessor Warrant Agent and the transfer agent for the Common Stock not later than the effective date of any such appointment.
- 7.14.3. Merger or Consolidation of Warrant Agent. Any person into which the Warrant Agent may be merged or converted or with which it may be consolidated or any person resulting from any merger, conversion or consolidation to which the Warrant Agent shall be a party or any person succeeding to the shareowner services business of the Warrant Agent or any successor Warrant Agent shall be the successor Warrant Agent under this Warrant Agreement, without any further act or deed. For purposes of this Warrant Agreement, "person" shall mean any individual, firm, corporation, partnership, limited liability company, joint venture, association, trust or other entity, and shall include any successor (by merger or otherwise) thereof or thereto.

8. Miscellaneous Provisions.

- 8.1. <u>Persons Having Rights under this Warrant Agreement</u>. Nothing in this Warrant Agreement expressed and nothing that may be implied from any of the provisions hereof is intended, or shall be construed, to confer upon, or give to, any person or corporation other than (i) the parties hereto, and (ii) the Holders (including, without limitation, all "beneficial holders") of the Warrants) any right, remedy, or claim under or by reason of this Warrant Agreement or of any covenant, condition, stipulation, promise, or agreement hereof.
- 8.2. Examination of the Warrant Agreement. A copy of this Warrant Agreement shall be available at all reasonable times at the office of the Warrant Agent designated for such purpose for inspection by any Holder. Prior to such inspection, the Warrant Agent may require any such holder to provide reasonable evidence of its interest in the Warrants.
- 8.3. Counterparts. This Warrant Agreement may be executed in any number of original, facsimile or electronic counterparts and each of such counterparts shall for all purposes be deemed to be an original, and all such counterparts shall together constitute but one and the same instrument.
- 8.4. Effect of Headings. The Section headings herein are for convenience only and are not part of this Warrant Agreement and shall not affect the interpretation thereof.
- 9. Certain Definitions. As used herein, the following terms shall have the following meanings:
- (a) "Trading Day" means any day on which the Common Stock is traded on the Trading Market, or, if the Trading Market is not the principal trading market for the Common Stock, then on the principal securities exchange or securities market in the United States on which the Common Stock is then traded.
- (b) "Trading Market" means NYSE American, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market or the New York Stock Exchange.

[Signature Page Follows]

IN WITNESS WHEREOF, this Warrant Agent Agreement has been duly ex	executed by the parties hereto as of the day and year first above written.		
s	SUNSHINE BIOPHARMA, INC.		
	By: /s/ Dr. Steve N. Slilaty		
	Name: Dr. Steve N. Slilaty Title: Chief Executive Officer		
E	EQUINITI TRUST COMPANY		
	By: /s/ Andrea Severson		
	Name: Andrea Severson Title: Senior Vice President		
Solely with respect to Section 6.2 hereof,			
/s/ Dr. Steve N. Slilaty Dr. Steve N. Slilaty			

Exhibit 99.1

Sunshine Biopharma, Inc. Announces Pricing of \$8 Million Public Offering and Uplisting to the Nasdaq Capital Market

MONTREAL, Canada, Feb. 15, 2022 (GLOBE NEWSWIRE) -- Sunshine Biopharma, Inc. (NASDAQ: "SBFM" and "SBFMW") (the "Company" or "Sunshine Biopharma"), a pharmaceutical company focused on the research, development and commercialization of oncology and antiviral drugs, announced today the pricing of its underwritten public offering of 1,882,353 units at a price to the public of \$4.25 per unit, for aggregate gross proceeds of \$8 million, prior to deducting underwriting discounts, commissions and other estimated offering expenses. Each unit consists of one share of common stock, par value \$0.001 per share, and two warrants, each warrant exercisable for one share of common stock. The common stock and warrants are immediately separable from the Units and will be issued separately. The warrants are exercisable immediately, expire five years from the date of issuance and have an exercise price of \$4.25.

In addition, the Company has granted Aegis Capital Corp. ("Aegis") a 45-day option to purchase additional shares of common stock and/or warrants equal up to 15% of the number of shares and warrants, respectively, sold in the offering solely to cover over-allotments, if any. The purchase price to be paid per additional share of common stock will be equal to the public offering price of one unit (in each case, less \$0.01 allocated to the warrants), less the underwriting discount. The purchase price to be paid per additional warrant will be \$0.01. If Aegis exercises the option to purchase only such warrants, additional proceeds will be nominal. If Aegis exercises the option in full for common stock and warrants, the total gross proceeds of the offering including the overallotment are expected to be approximately \$9.2 million before deducting underwriting discounts and commissions and offering expenses. The offering is expected to close on or about February 17, 2022, subject to customary closing conditions.

The Company also announced that, in connection with the offering, its common stock and warrants have been approved for listing on the Nasdaq Capital Market and will begin trading on the Nasdaq Capital Market under the symbols "SBFM" and "SBFMW" on February 15, 2022.

Aegis Capital Corp. is acting as sole book-running manager for the offering.

A registration statement on Form S-1 (No. 333-259394) relating to the securities being sold in this offering was declared effective by the Securities and Exchange Commission (the "SEC") on February 14, 2022. The offering is being made only by means of a prospectus. Copies of the final prospectus may be obtained, when available, on the SEC's website, www.sec.gov, or by contacting Aegis Capital Corp., Attention: Syndicate Department, 810 7th Avenue, 18th Floor, New York, NY 10019, by email at syndicate@aegiscap.com, or by telephone at (212) 813-1010.

This press release shall not constitute an offer to sell or a solicitation of an offer to buy, nor shall there be any sale of these securities in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

About Sunshine Biopharma

Severe Acute Respiratory Syndrome-Coronavirus-2 (SARS-CoV-2) is the causative agent of the ongoing COVID-19 pandemic that has claimed the lives of over 5.3 million people worldwide since it first appeared in December 2019. There are currently no drugs that can effectively arrest replication of the virus in people who have contracted the illness. Sunshine Biopharma has completed the synthesis of four potential inhibitors of PLpro and subsequently identified a lead compound, SBFM-PL4. The Company is currently advancing the development of SBFM-PL4 in collaboration with the University of Georgia, College of Pharmacy.

In addition, to working on the development of a treatment for COVID-19, Sunshine Biopharma is engaged in the development Adva-27a, a unique anticancer compound. Tests conducted to date have demonstrated the effectiveness of Adva-27a at destroying Multidrug Resistant Cancer Cells, including Pancreatic Cancer cells, Small-Cell Lung Cancer cells, Breast Cancer cells, and Uterine Sarcoma cells. Clinical trials for Pancreatic Cancer indication are planned to be conducted at McGill University's Jewish General Hospital in Montreal, Canada. Sunshine Biopharma is owner of all patents and intellectual property pertaining to Adva-27a.

Safe Harbor Forward-Looking Statements

This press release may contain forward looking statements which are based on current expectations, forecasts, and assumptions that involve risks as well as uncertainties that could cause actual outcomes and results to differ materially from those anticipated or expected. These statements appear in a number of places in this release and include all statements that are not statements of historical fact regarding the intent, belief or current expectations of the Company, including statements related to the closing of the offering, our financial performance, and future growth. These risks and uncertainties are further defined in filings and reports by the Company with the U.S. Securities and Exchange Commission (SEC). Actual results and the timing of certain events could differ materially from those projected in or contemplated by the forward-looking statements due to a number of factors detailed from time to time in our filings with the SEC. Reference is hereby made to cautionary statements and risk factors set forth in the Company's most recent SEC filings.

For Additional Information Contact:

Camille Sebaaly, CFO

Sunshine Biopharma Inc.

Direct Line: 514-814-0464

camille.sebaaly@sunshinebiopharma.com

www.sunshinebiopharma.com

Exhibit 99.2

Sunshine Biopharma, Inc. Announces Closing of \$8 Million Public Offering and Uplisting to the Nasdaq Capital Market

MONTREAL, Canada, Feb. 17, 2022 (GLOBE NEWSWIRE) -- Sunshine Biopharma, Inc. (NASDAQ: "SBFM" and "SBFMW") (the "Company" or "Sunshine Biopharma"), a pharmaceutical company focused on the research, development and commercialization of oncology and antiviral drugs, announced today the closing of its underwritten public offering of 1,882,353 units at a price to the public of \$4.25 per unit, for aggregate gross proceeds of \$8 million, prior to deducting underwriting discounts, commissions and other estimated offering expenses. Each unit consists of one share of common stock, par value \$0.001 per share, and two warrants, each warrant exercisable for one share of common stock with an exercise price of \$4.25.

In addition, the Company has granted Aegis Capital Corp. ("Aegis") a 45-day option to purchase additional shares of common stock and/or warrants equal up to 15% of the number of shares and warrants, respectively, sold in the offering solely to cover over-allotments, if any. The underwriter partially exercised its over-allotment option with respect to 337,494 warrants to purchase shares of common stock. At the closing, the Company issued an aggregate of 1,882,353 common shares and 4,102,200 warrants to purchase common shares.

The Company's common stock and warrants are listed on the Nasdaq Capital under the symbols "SBFM" and "SBFMW", respectively.

Aegis Capital Corp. acted as sole book-running manager for the offering.

A registration statement on Form S-1 (No. 333-259394) relating to the securities being sold in this offering was declared effective by the Securities and Exchange Commission (the "SEC") on February 14, 2022. The offering has been made only by means of a prospectus. Copies of the final prospectus may be obtained on the SEC's website, www.sec.gov, or by contacting Aegis Capital Corp., Attention: Syndicate Department, 810 7th Avenue, 18th Floor, New York, NY 10019, by email at syndicate@aegiscap.com, or by telephone at (212) 813-1010.

This press release shall not constitute an offer to sell or a solicitation of an offer to buy, nor shall there be any sale of these securities in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction.

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Severe Acute Respiratory Syndrome-Coronavirus-2 (SARS-CoV-2) is the causative agent of the ongoing COVID-19 pandemic that has claimed the lives of over 5.3 million people worldwide since it first appeared in December 2019. There are currently no drugs that can effectively arrest replication of the virus in people who have contracted the illness. Sunshine Biopharma has completed the synthesis of four potential inhibitors of PLpro and subsequently identified a lead compound, SBFM-PL4. The Company is currently advancing the development of SBFM-PL4 in collaboration with the University of Georgia, College of Pharmacy.

In addition, to working on the development of a treatment for COVID-19, Sunshine Biopharma is engaged in the development Adva-27a, a unique anticancer compound. Tests conducted to date have demonstrated the effectiveness of Adva-27a at destroying Multidrug Resistant Cancer Cells, including Pancreatic Cancer cells, Small-Cell Lung Cancer cells, Breast Cancer cells, and Uterine Sarcoma cells. Clinical trials for Pancreatic Cancer indication are planned to be conducted at McGill University's Jewish General Hospital in Montreal, Canada. Sunshine Biopharma is owner of all patents and intellectual property pertaining to Adva-27a.

Safe Harbor Forward-Looking Statements

This press release may contain forward looking statements which are based on current expectations, forecasts, and assumptions that involve risks as well as uncertainties that could cause actual outcomes and results to differ materially from those anticipated or expected. These statements appear in a number of places in this release and include all statements that are not statements of historical fact regarding the intent, belief or current expectations of the Company, including statements related to our financial performance and future growth. These risks and uncertainties are further defined in filings and reports by the Company with the U.S. Securities and Exchange Commission (SEC). Actual results and the timing of certain events could differ materially from those projected in or contemplated by the forward-looking statements due to a number of factors detailed from time to time in our filings with the SEC. Reference is hereby made to cautionary statements and risk factors set forth in the Company's most recent SEC filings.

For Additional Information Contact:

Camille Sebaaly, CFO

Sunshine Biopharma Inc.

Direct Line: 514-814-0464

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