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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

1. Name and Address of Reporting Person * <u>Aminov Erez</u> <hr/> (Last) (First) (Middle) <u>C/O MIRA PHARMACEUTICALS, INC.</u> <u>1200 BRICKELL AVE. SUITE 1950 #1183</u> <hr/> (Street) <u>MIAMI FL 33131</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>MIRA PHARMACEUTICALS, INC. [MIRA]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;">Chief Executive Officer</p>
	3. Date of Earliest Transaction (Month/Day/Year) <u>05/28/2024</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Incentive Stock Options (right to buy)	\$0.84 ⁽¹⁾	05/28/2024		A		379,000		(2)	05/28/2034	Common Stock	379,000	\$0	629,000 ⁽³⁾	D	

Explanation of Responses:

- The exercise price of the stock options issued to the Reporting Person is equal to the closing price of the Issuer's common stock on May 28, 2024.
- The stock options were issued to the Reporting Person on May 28, 2024, pursuant to a grant under the Issuer's 2022 Omnibus Incentive Plan, as amended and restated (the "Plan"). The stock options vested in full and became exercisable immediately upon issuance on the grant date, May 28, 2024.
- Represents 50,000 stock options that were issued to the Reporting Person on April 28, 2023 that were vested in full and became exercisable on the same date, pursuant to a grant under the Issuer's Plan at an exercise price of \$5.00 each, (ii) 150,000 stock options that were issued to the Reporting Person on August 17, 2023, pursuant to a grant under the Issuer's Plan which vested in full on August 17, 2023 at an exercise price of \$6.50 each, (iii) 50,000 stock options that were issued to the Reporting Person on August 17, 2023 that vested in full and became exercisable on April 28, 2024, pursuant to a grant under the Issuer's Plan at an exercise price of \$6.50 each, and (iv) 379,000 stock options that were issued to the Reporting Person on May 28, 2024 that were vested in full and became exercisable on the same date, pursuant to a grant under the Issuer's Plan at an exercise price of \$0.84 each.

/s/ Michelle Yanez, Attorney-in-Fact for Erez Aminov 05/30/2024

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.