

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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

1. Name and Address of Reporting Person * <u>Wolf James G.</u> (Last) (First) (Middle) <u>105, FLYWAY DRIVE</u> (Street) <u>KIAWAH ISLAND SC 29455</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>10/28/2022</u>	3. Issuer Name and Ticker or Trading Symbol <u>ENZO BIOCHEM INC [ENZ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, \$0.01 par value	3,560,000	D	
Common Stock, \$0.01 par value	116,000	I	See Footnote (1) ⁽¹⁾
Common Stock, \$0.01 par value	22,000	I	See Footnote (2) ⁽²⁾
Common Stock, \$0.01 par value	110,000	I	See Footnote (3) ⁽³⁾
Common Stock, \$0.01 par value	170,500	I	See Footnote (4) ⁽⁴⁾

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
Long Call Option (right to buy)	10/28/2022 ⁽⁵⁾	01/20/2023	Common Stock 275,000	2.5	D	
Long Call Option (right to buy)	10/28/2022 ⁽⁵⁾	01/20/2023	Common Stock 200,000	5	D	
Long Call Option (right to buy)	10/28/2022 ⁽⁵⁾	04/21/2023	Common Stock 75,000	2.5	D	
Long Call Option (right to buy)	10/28/2022 ⁽⁵⁾	04/21/2023	Common Stock 80,700	5	D	
Long Call Option (right to buy)	10/28/2022 ⁽⁵⁾	04/21/2023	Common Stock 75,000	7.5	D	
Short Put Option (obligation to buy)	10/28/2022 ⁽⁶⁾	01/20/2023	Common Stock 400,000	2.5	D	
Short Put Option (obligation to buy)	10/28/2022 ⁽⁶⁾	01/20/2023	Common Stock 34,500	5	D	
Short Put Option (obligation to buy)	10/28/2022 ⁽⁶⁾	04/21/2023	Common Stock 30,000	2.5	D	

Explanation of Responses:

- These shares are held in qualified retirement accounts in the name, and for the benefit of, the Reporting Person.
- These shares are held in a qualified retirement account in the name, and for the benefit, of the Reporting Person's spouse. The Reporting Person has dispositive and voting control over the retirement account. The Reporting Person disclaims beneficial ownership of the securities held by this retirement account, except to the extent of his pecuniary interest therein, if any, and this report shall not be deemed an admission that he is the beneficial owner of such securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- These shares are held directly by the Reporting Person's sibling. The Reporting Person maintains a power of attorney granted by the Reporting Person's sibling with respect to these shares, including voting and dispositive power over the shares. The Reporting Person has no pecuniary interest in the shares and disclaims beneficial ownership of the securities held by his sibling. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- These shares are held directly by the Reporting Person's sibling. The Reporting Person maintains a power of attorney granted by each of his adult children with respect to these shares, including voting and dispositive power over the shares. The Reporting Person has no pecuniary interest in the shares and disclaims beneficial ownership of the securities held by his adult children. This report shall not be deemed an admission that the Reporting Person is the beneficial owner of such securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.
- Each call option may be exercised from the date it was purchased through the expiration date of the call option.
- Each put option may be exercised by the owner of the option at any time from the date of its sale through the expiration date of the put option.

James G. Wolf01/09/2023

** 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 5 (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.