UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 8-A

FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES PURSUANT TO SECTION 12(b) OR (g) OF THE SECURITIES EXCHANGE ACT OF 1934

ASP Isotopes Inc. (Exact name of registrant as specified in its charter)

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Delaware	87-2618235
(State of incorporation or organization)	(I.R.S. Employer Identification No.)
433 Plaza Real, Suite 275, Boca Raton, FL	33432
(Address of principal executive offices)	(Zip Code)
Securities to be registered pursuant	t to Section 12(b) of the Act:
Title of each class	Name of each exchange on which
to be so registered Common Stock, \$0.01 par value per share	each class is to be registered The Nasdaq Stock Market LLC
If this form relates to the registration of a class of securities pursuant to Section 12(b) of the following box. \boxtimes	
If this form relates to the registration of a class of securities pursuant to Section 12(g) of the following box. \Box	Exchange Act and is effective pursuant to General Instruction A.(d) or (e), check the
If this form relates to the registration of a class of securities concurrently with a Regulation A	A offering, check the following box. \Box
Securities Act registration statement or Regulation A offering sta	tement file number to which this form relates: 333-267392
Securities to be registered pursuant to	Section 12(g) of the Act: None.
Item 1. Description of Registrant's Securities to be Registered.	
The description of the Common Stock, par value \$0.01 per share (the "Common Stock"), of "Description of Capital Stock" in the prospectus included in the Registrant's Registration Sta Exchange Commission on September 12, 2022, including exhibits, and as may be subsequen The description of the Common Stock included in any form of prospectus that constitutes pa to Rule 424(b) under the Securities Act of 1933, as amended, shall also be deemed to be incompared to the securities and the securities are securities.	atement on Form S-1 (File No. 333-267392), as initially filed with the Securities and atly amended (the "Registration Statement"), is hereby incorporated by reference. rt of the Registration Statement and is subsequently filed by the Registrant pursuant
Item 2. Exhibits.	
Pursuant to the Instructions as to Exhibits for Form 8-A, no exhibits are required to be filed I Market, LLC and the securities registered hereby are not being registered pursuant to Section	
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SIGNATU	RE
Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the Registundersigned, thereunto duly authorized.	strant has duly caused this registration statement to be signed on its behalf by the
Dated: November 9, 2022	
	ASP Isotopes Inc.
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	By: /s/ Paul E. Mann Paul E. Mann Chairman and Chief Executive Officer