

**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

**SCHEDULE 13G**

**UNDER THE SECURITIES EXCHANGE ACT OF 1934**

(Amendment No. 2)\*

ASP Isotopes Inc.

(Name of Issuer)

Common stock, par value \$0.01 per share

(Title of Class of Securities)

00218A105

(CUSIP Number)

12/31/2024

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

**SCHEDULE 13G**

CUSIP No. 00218A105

1	<b>Names of Reporting Persons</b> AK Jensen Investment Management Limited
2	<b>Check the appropriate box if a member of a Group (see instructions)</b> <input type="checkbox"/> (a) <input type="checkbox"/> (b)
3	<b>Sec Use Only</b>
4	<b>Citizenship or Place of Organization</b> UNITED KINGDOM

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 4,708,551.00
	6	Shared Voting Power 0.00
	7	Sole Dispositive Power 4,708,551.00
	8	Shared Dispositive Power 0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person 4,708,551.00	
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) <input type="checkbox"/>	
11	Percent of class represented by amount in row (9) 6.6 %	
12	Type of Reporting Person (See Instructions) FI, OO	

## SCHEDULE 13G

**Item 1.**

- (a) **Name of issuer:**  
ASP Isotopes Inc.
- (b) **Address of issuer's principal executive offices:**  
1101 PENNSYLVANIA AVENUE NW SUITE 300 WASHINGTON DC 20004

**Item 2.**

- (a) **Name of person filing:**  
This statement is filed by AK Jensen Investment Management Limited ("AK Jensen") with respect to the shares of common stock, par value \$0.01 per share ("Common Stock") of ASP Isotopes Inc. (the "Company") held by certain funds and accounts ("AK Jensen Funds") to which it serves as investment manager.  
Anders K. Jensen, a citizen of Norway, and Duncan P. Saville, a citizen of Britain, may be deemed to indirectly control AK Jensen.  
AK Jensen is sometimes referred to as the "Reporting Person." The filing of this statement should not be construed as an admission that any of the foregoing persons or the Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the shares of Common Stock reported herein.
- (b) **Address or principal business office or, if none, residence:**  
The address of the business office of the Reporting Person is 23 Berkeley Square, Mayfair, London W1J 6HE, United Kingdom.
- (c) **Citizenship:**  
AK Jensen is a limited company formed under the laws of the United Kingdom.
- (d) **Title of class of securities:**  
Common stock, par value \$0.01 per share
- (e) **CUSIP No.:**  
00218A105

**Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e)  An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

AK Jensen is an investment manager, authorized and regulated by the Financial Conduct Authority in the United Kingdom which is comparable to the regulatory scheme applicable to the investment advisers covered by Item 3(e) above.

**Item 4. Ownership**

**(a) Amount beneficially owned:**

The information required by Item 4(a) is set forth in Row 9 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

The percentages set forth herein are calculated based upon 71,390,107 shares of Common Stock outstanding as of November 13, 2024, as reported in the Company's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2024, filed with the Securities and Exchange Commission on November 19, 2024.

**(b) Percent of class:**

6.6 %

**(c) Number of shares as to which the person has:**

**(i) Sole power to vote or to direct the vote:**

The information required by Item 4(c)(i) is set forth in Row 5 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

**(ii) Shared power to vote or to direct the vote:**

The information required by Item 4(c)(ii) is set forth in Row 6 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

**(iii) Sole power to dispose or to direct the disposition of:**

The information required by Item 4(c)(iii) is set forth in Row 7 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

**(iv) Shared power to dispose or to direct the disposition of:**

The information required by Item 4(c)(iv) is set forth in Row 8 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

**Item 5. Ownership of 5 Percent or Less of a Class.**

**Item 6. Ownership of more than 5 Percent on Behalf of Another Person.**

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than 5 percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

See Item 2(a). The AK Jensen Funds have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the shares of Common Stock reported herein. Tees River Critical Resources Fund Ltd., an AK Jensen Fund, has the right to receive or the power to direct the receipt of dividends or the proceeds from the sale of more than 5% of the shares of Common Stock.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.**

Not Applicable

**Item 8. Identification and Classification of Members of the Group.**

Not Applicable

**Item 9. Notice of Dissolution of Group.**

Not Applicable

**Item 10. Certifications:**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under ?? 240.14a-11.

By signing below I certify that, to the best of my knowledge and belief, the foreign regulatory scheme applicable to AK Jensen is substantially comparable to the regulatory scheme applicable to the functionally equivalent U.S. institution(s). I also undertake to furnish to the Commission staff, upon request, information that would otherwise be disclosed in a Schedule 13D.

## **SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

**AK Jensen Investment Management Limited**

**Signature: /s/ Magnus Benjamin Knudsen**

**Name/Title: Magnus Benjamin Knudsen, Head of Fund & Portfolio Analysis**

**Date: 02/12/2025**