



DIVISION OF
CORPORATION FINANCE

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

May 17, 2024

Paul Mann
Chief Executive Officer
ASP Isotopes Inc.
1101 Pennsylvania Avenue NW, Suite 300
Washington, D.C. 20004

Re: ASP Isotopes Inc.
Registration Statement on Form S-3
Filed May 9, 2024
File No. 333-279267

Dear Paul Mann:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Juan Grana at 202-551-6034 with any questions.

Sincerely,

Division of Corporation Finance
Office of Industrial Applications and
Services

cc: Donald Ainscow, Esq.