

ASP ISOTOPES INC.
433 Plaza Real, Suite 275
Boca Raton, Florida 33432
(561) 709-3034

April 12, 2023

VIA EDGAR

United States Securities and Exchange Commission
Division of Corporation Finance
100 F Street, N.E.
Washington, D.C. 20549

**Re: ASP Isotopes Inc. (the "Company")
Registration Statement on Form S-1 (File No. 333-271137)**

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended, the Company hereby requests that the above-referenced Registration Statement (the "Registration Statement") be declared effective by the Securities and Exchange Commission at 4:00 p.m., Eastern Time, on April 12, 2023, or as soon as practicable thereafter.

Please call Brenda Hamilton, Esq. of Hamilton & Associates Law Group P.A. at (561) 416-8956 to confirm the effectiveness of the Registration Statement or with any questions.

Very truly yours,

ASP ISOTOPES INC.

By: /s/ Paul E. Mann

Name: Paul E. Mann

Title: President, Chief Executive Officer and Chairman of
the Board
(Principal Executive Officer)