East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0350/S, REVISION 9

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency[1] and the United States of America[2] for the transport of radioactive material.

1. Source Identification - Eckert & Ziegler Isotope Products (EZIP) Model 343.

2. Source Description - Cylindrical single encapsulation made of Type 304 or 304L stainless steel and fusion welded. Approximate outer dimensions are 9.53 mm (0.375 in.) in diameter and 7.87 mm (0.31 in.) in length. One end has a recessed hexagonal socket. Construction shall be in accordance with attached Eckert & Ziegler Isotope Products Drawing No. 3222, Sheet 3 of 7, Rev. B.

3. Radioactive Contents - No more than either 11.1 GBq (0.3 Ci) of Strontium-90 or 1.85 GBq (0.05 Ci) of Ruthenium-106. The Sr-90 is in a ceramic or as $SrTiO_4$ in silver. The Ru-106 is in the form of a metal plated on platinum.

4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

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[1] "Regulations for the Safe Transport of Radioactive Material, 2018 Edition, No. SSR-6 (Rev. 1)" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

[2] Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

CERTIFICATE USA/0350/S, REVISION 9

5. Expiration Date - This certificate expires on November 30, 2029. Previous editions which have not reached their expiration date may continue to be used.

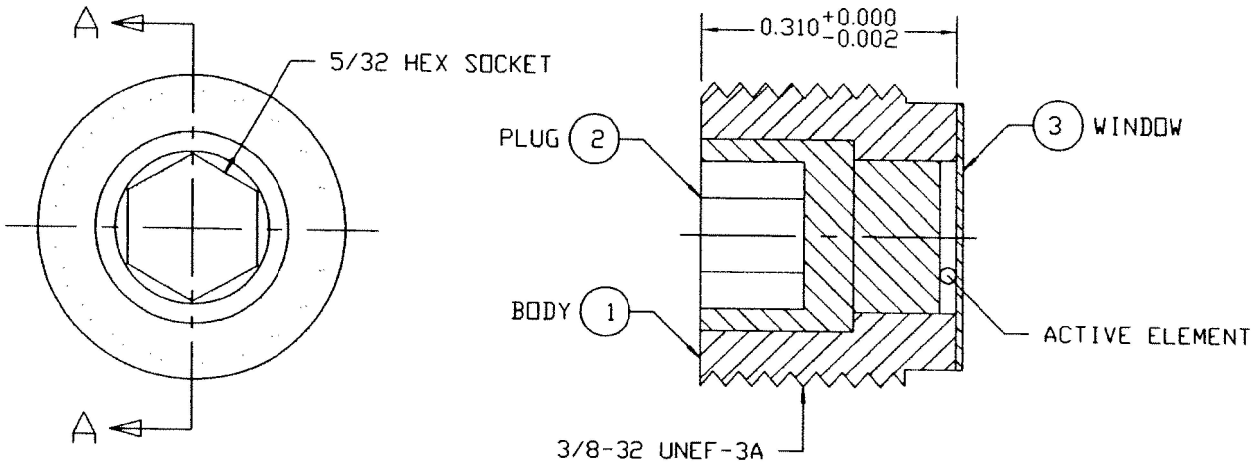
This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the October 18, 2024 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:

William Schoonover
Associate Administrator for Hazardous Materials Safety

November 15, 2024
(DATE)

Revision 9 - Issued to extend the expiration date and to issue the certificate to the 2018 edition of SSR-6.



SECTION A-A

2. IDENTIFY PART NUMBER
1. ASSEMBLE COMPLETE PER ENGINEERING DRAWING

NOTE: UNLESS OTHERWISE SPECIFIED

P/N: A3222 ASSEMBLY, GFS BETA CAPSULE

Eckert & Ziegler
Isotope Products
Valencia, California 91355

THIS DRAWING IS THE PROPERTY OF ISOTOPE PRODUCTS LABORATORIES AND MAY NOT BE USED, REPRODUCED, PUBLISHED OR DISCLOSED TO OTHERS WITHOUT EXPRESS AUTHORIZATION BY ISOTOPE PRODUCTS LABORATORIES.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ON

FRACTION	DECIMAL X	DECIMAL XX	DECIMAL XXX	ANGLE
±1/64	±.1	.01	.002	±5°

THIRD ANGLE PROJECTION

DESIGN	DRAWING TITLE
JMD/RLT	BETA CAPSULE, GFS
SCALE: NONE	SERIES TITLE: GFS AND XFB SOURCES (PHI & BFI)

SIZE	CAGE CODE	REVISION	DRAWING NUMBER	SHEET
A	32993	B	3222	3 OF 7

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CERTIFICATE NUMBER: USA/0350/S

ORIGINAL REGISTRANT(S):

Eckert & Ziegler Isotope Products
24937 Avenue Tibbitts
Valencia, CA, 91355
USA