



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

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

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0350/S-96, REVISION 8

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 Agency¹ and the United States of America² 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 SrTiO₄ 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.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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-96, REVISION 8

5. Expiration Date - This certificate expires on January 31, 2025. 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 December 9, 2019 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

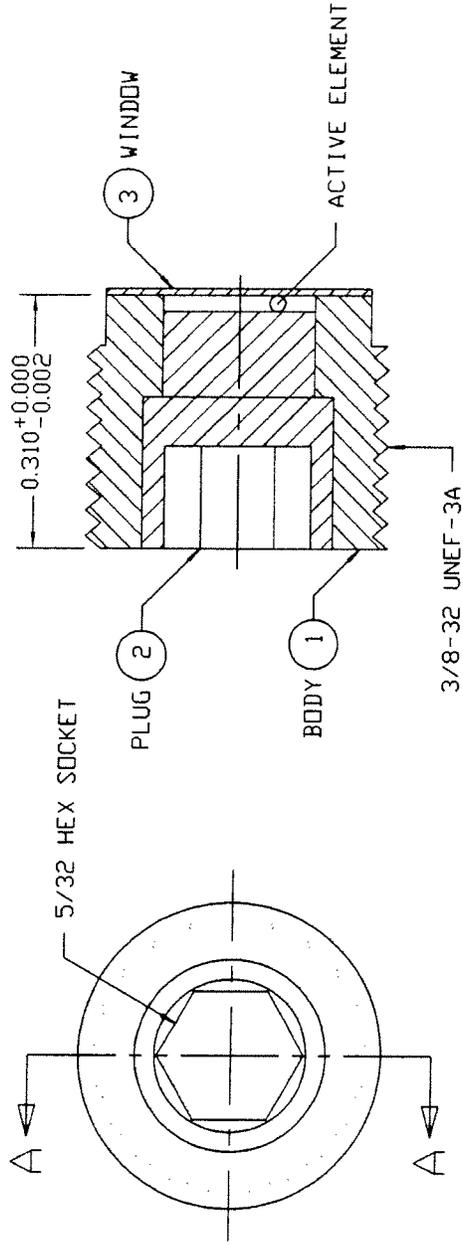
Certified By:



January 17, 2020
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 8 - Issued to extend the expiration date.



SECTION A-A

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

NOTE: UNLESS OTHERWISE SPECIFIED



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.

P/N: A3222		ASSEMBLY, GFS BETA CAPSULE	
DESIGN TITLE BETA CAPSULE, GFS	JMD/RLT	DRAWING TITLE BETA CAPSULE, GFS	
SCALE NONE	SIZE A	SERIES TITLE GFS AND XFB SOURCES (PHI & BFI)	CAGE CODE 32993
TOLERANCES ON DECIMAL ±.1 .01 .002		ANGLE XXX XX °	REVISION B
THIRD ANGLE PROJECTION		DRAWING NUMBER 3222	
		SHEET 3 OF 7	



U.S. Department of
Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

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

CERTIFICATE NUMBER: USA/0350/S-96

ORIGINAL REGISTRANT(S) :

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