



U.S. Department  
of Transportation  
**Pipeline and  
Hazardous Materials  
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0354/S-96, REVISION 6**

East Building, PHH-23  
1200 New Jersey Avenue Southeast  
Washington, D.C. 20590

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<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Eckert & Ziegler Isotope Products Model No. 274-1.
2. Source Description - Cylindrical single encapsulation made of Type 304 or 304L stainless steel and seal welded. Approximate outer dimensions are 1.53 mm (0.06 in.) in diameter and 5.08 mm (0.2 in.) in length. Construction shall be in accordance with attached Isotope Products Laboratories Drawing A-3814.
3. Radioactive Contents - No more than 0.74 GBq (0.02 Ci) of Cesium-137. The Cs-137 is in the form of CsCl in gold wire.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on April 30, 2016.

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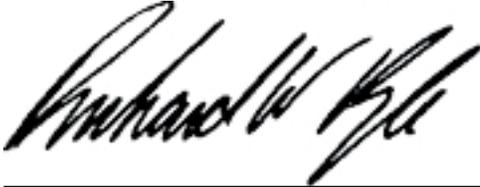
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0354/S-96, REVISION 6**

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 28, 2011 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:



**Apr 26 2011**

(DATE)

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Dr. Magdy El-Sibaie  
Associate Administrator for Hazardous Materials Safety

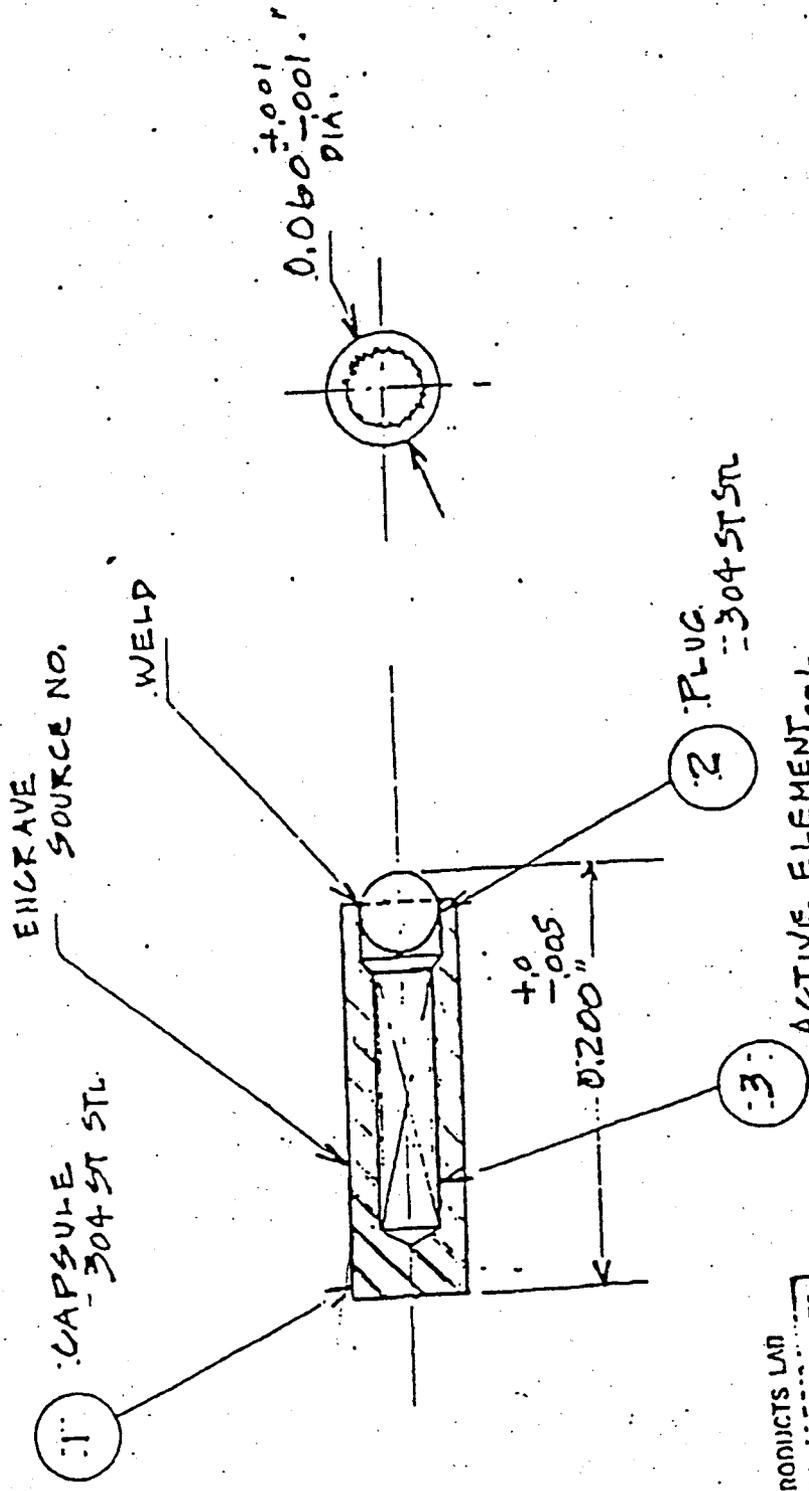
Revision 6 - Issued to update corporate name and to extend the expiration date.

SUPERCEEDS DWG. NO. 274

SPECIAL FORM CERTIFICATION

USA/0354/S-REV. 0

ACTUAL SIZE



ISOTOPE PRODUCTS LAB

APPROVED BY: ELW 1-20-87 DATE: 1/21/87

ENG. ELW 1-20-87

DESIGNED BY: MC 2-5-87

MANUFACTURED BY: MC 2-5-87

ACTIVE ELEMENT 126  
F/A-WIRE-RA  
10% - 20%

ANSI CLASS 322.32

DECEMBER 1989

ISOTOPE PRODUCTS LABORATORIES BURBANK, CALIFORNIA 91504	
DRAWING TITLE: ASSEMBLY MODEL 274-1 CAPSULE	SCALE: 10 TO 1
SERIES TITLE: HIGH INTENSITY GAMMA NEUTRON SOURCE	ORDER BY:
DRAWN BY: A. DEXTER	REVISION: A
DRAWING NUMBER: A-3814	



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**CERTIFICATE NUMBER:** USA/0354/S-96, Revision 6

**ORIGINAL REGISTRANT(S):**

Ms. Frida Tan  
Regulatory Affairs Manager  
Eckert & Ziegler Isotope Products  
24937 Avenue Tibbitts  
Valencia, 91355  
USA