



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 7**

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 Agency¹ and the United States of America² 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 regulations¹ 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 January 31, 2021.

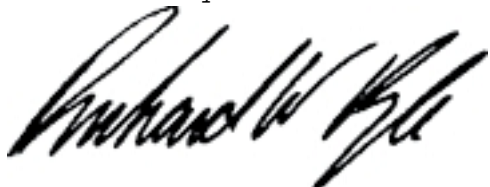
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

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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 December 23, 2015 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:



Jan 20 2016

(DATE)

 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

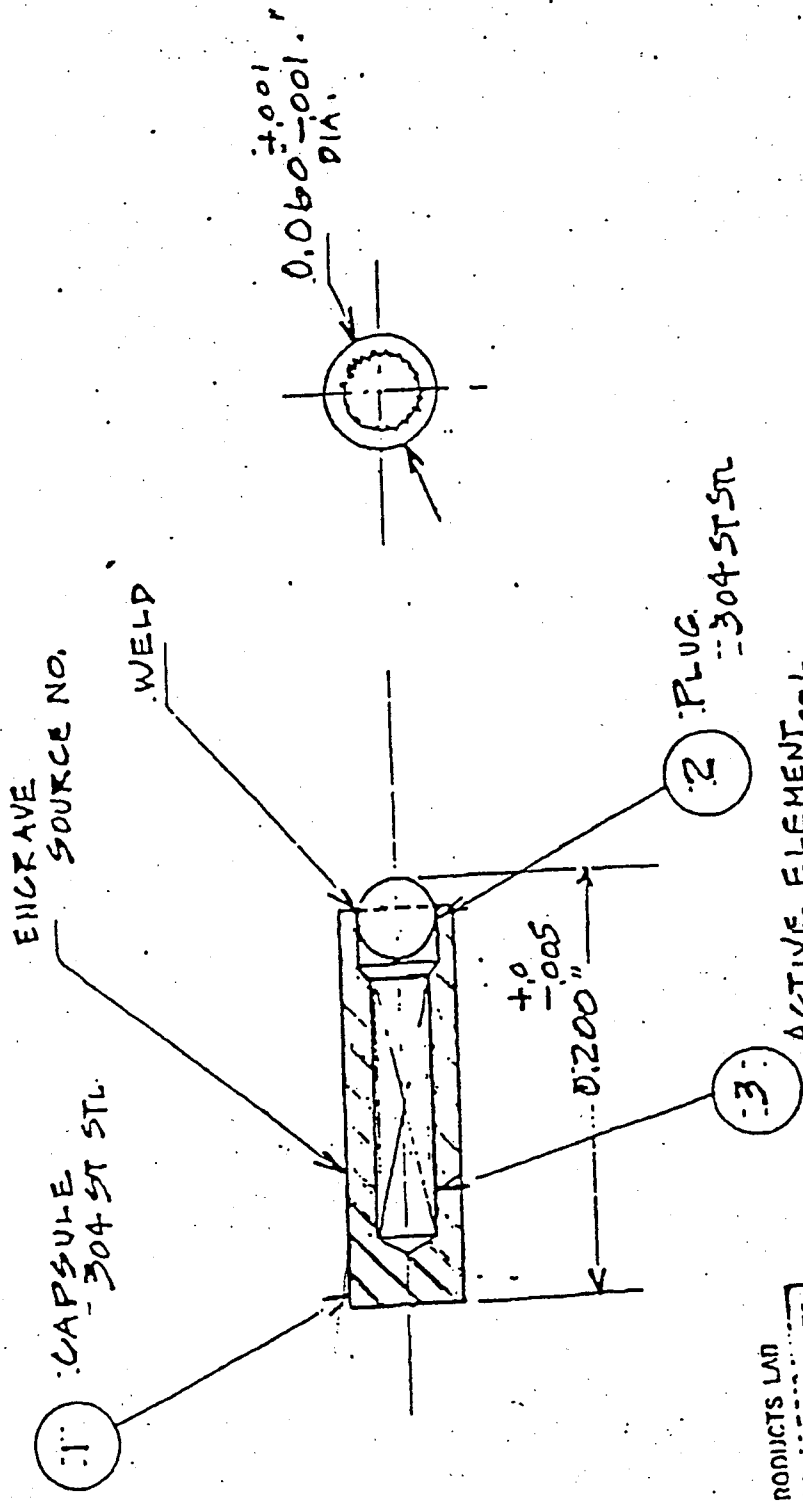
Revision 7 - Issued to extend the expiration date.

SUPERCEEDS DWG NO 274

SPECIAL FORM CERTIFICATION

USA/0354/S-REV 0

ACTUAL SIZE



ISOTOPE PRODUCTS LAB

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

ENG. ELW 1-20-87

DESIGNED BY: MC 2-5-87

MANUFACTURED BY: MC 2-5-87

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

DRAWN BY: A. DEXTER DRAWING NUMBER: A-3814

REVISION: A



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CERTIFICATE NUMBER: USA/0354/S-96, Revision 7

ORIGINAL REGISTRANT(S):

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