



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0781/S-96, REVISION 1**

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. 4274.
2. Source Description - Cylindrical double encapsulation made of 17-4PH stainless steel and fusion welded. Approximate outer dimensions are 11.4 mm (0.45 in.) in diameter and 19.0 mm (0.75 in.) in length. Construction shall be in accordance with attached Eckert & Ziegler Isotope Products Drawing No. 4274-REG, Rev. -, Sheet 1 of 1.
3. Radioactive Contents - No more than either 37 GBq (1 Ci) of Cobalt-60 or 111 GBq (3 Ci) of Cesium-137. The Co-60 and Cs-137 are in the form of chlorides, nitrates, or oxides in ceramic or oxides in metal or a combination thereof.
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 May 31, 2020.

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.

CERTIFICATE USA/0781/S-96, REVISION 1

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 May 07, 2015 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:



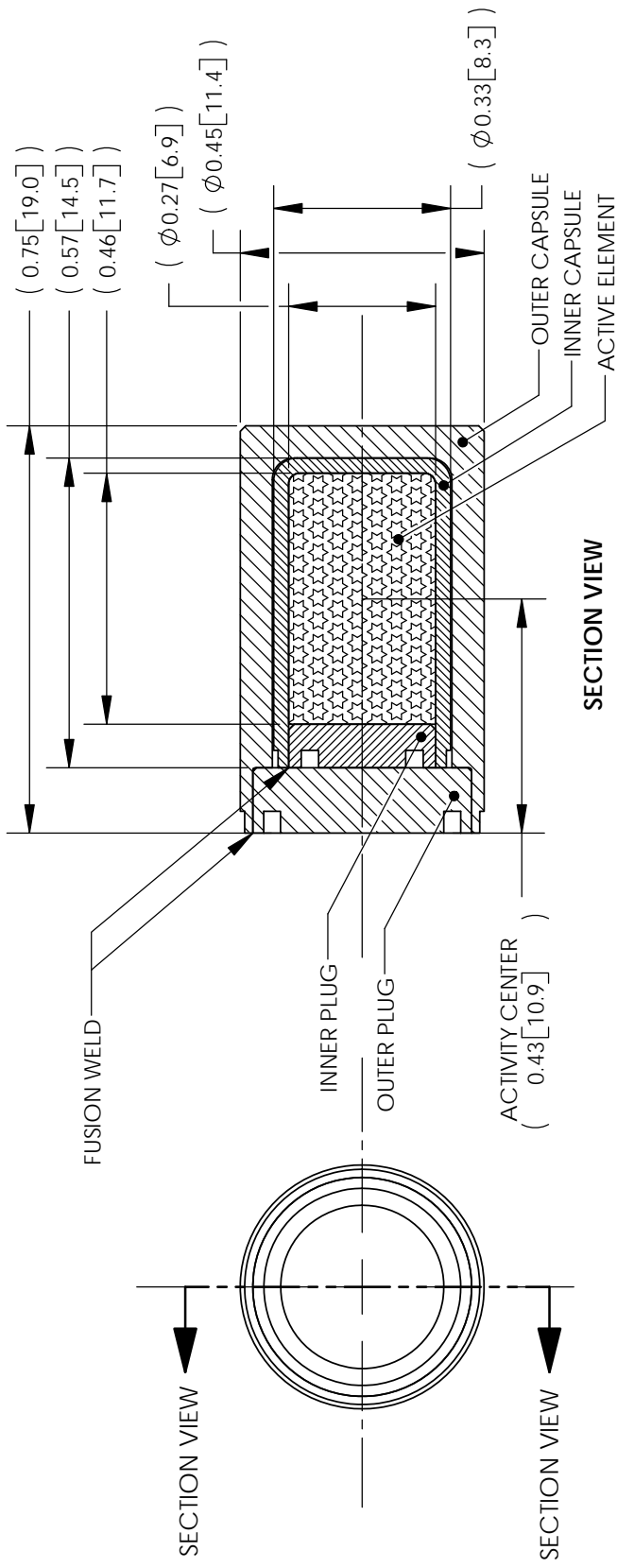
May 18 2015

(DATE)

Dr. Magdy El-Sibaie


Associate Administrator for Hazardous Materials Safety



Revision 1 - Issued to extend the expiration date.



MODEL NO.
 NUCLIDE ACTIVITY
 SERIAL NO.
 MANUFACTURER
 OR LOGO

MODEL VIEW (NOT TO SCALE)

MINIMUM CAPSULE ENGRAVING:
 "RADIOACTIVE" OR 
 RADIATION SYMBOL,
 NUCLIDE, ACTIVITY,
 SERIAL NO.,
 MANUFACTURER, MODEL NO.
 ON REVERSE SIDE OF SOURCE
 (NOT SHOWN):
 TREFOIL SYMBOL AND/OR WORDING,
 "DANGER (OR CAUTION) RADIOACTIVE
 MATERIAL"

 Eckert & Ziegler Isotope Products VALENCIA, CALIFORNIA 91355	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH-SIZES. METRIC UNITS [mm] ARE IN MILLIMETERS.		DRAWN KP	TITLE MODEL 4274	REV -	SHEET 1 OF 1
	THIRD ANGLE PROJECTION 		ME/CHECKER JP	SERIES TITLE OIL WELL LOGGING (Cs Group)	DRAWING NO. 4274-REG	
			ENGINEER KP	CAGE CODE 32993		
			SCALE NONE	SIZE A		

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



U.S. Department
of Transportation

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

**Pipeline and
Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0781/S-96, Revision 1

ORIGINAL REGISTRANT(S):

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