



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

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0793/S-96, REVISION 0

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 (EZIP) source capsule Model No. Cf2.N02.
2. Source Description - Cylindrical double encapsulation made of Type 316 and 304 stainless steel and fusion welded. Approximate outer dimensions are 7.8 mm (0.307 in.) in diameter and 10.0 mm (0.394 in.) in length. Construction shall be in accordance with attached EZIP Drawing No. 3036-REG, Rev. C, Sheet 2 of 2.
3. Radioactive Contents - No more than 1.11 GBq (30 mCi) of Californium-252. The Cf-252 is composed of oxides in ceramic, oxides in metal, or oxides in palladium metal 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 November 30, 2017.

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 November 14, 2012 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:

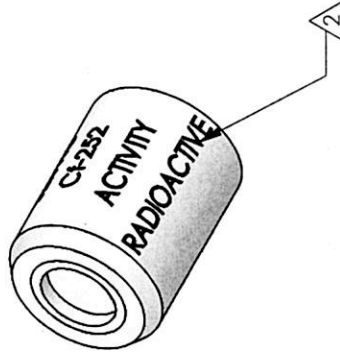
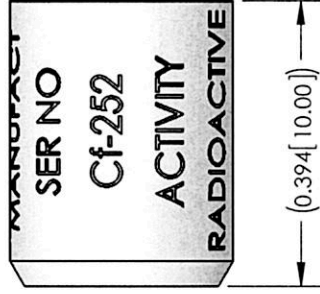
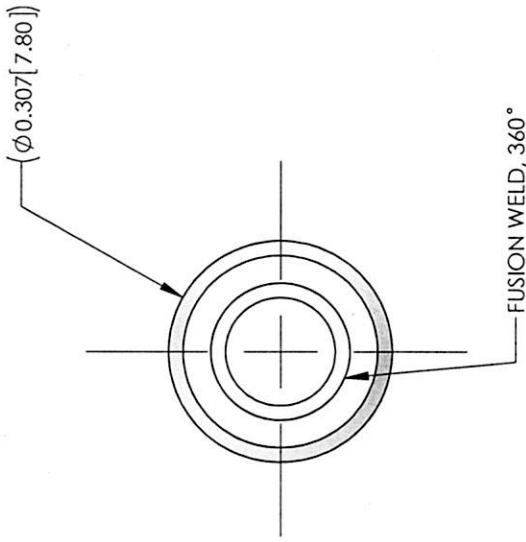


 Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Jan 17 2013

(DATE)


Revision 0 - Original issue.



ENGRAVE CHARACTER, HEIGHT 0.06" [1.52mm] X 0.003" [0.08mm] MAX:
MANUFACTURER, SERIAL NUMBER, "Cf-252", ACTIVITY, "RADIOACTIVE".
LASER ENGRAVING IS ALLOWED.

1. ISOMETRIC VIEW IS NOT TO SCALE.
NOTES: UNLESS OTHERWISE SPECIFIED

CAPSULE A3036-2 Cf-252 SOURCE

<div></div> <div>Eckert & Ziegler Isotope Products</div> <div>VALENCIA, CALIFORNIA 91355</div>		CAGE CODE		32993	DRAWING SIZE	LETTER	DRAWN	TITLE				
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH SIZES. METRIC UNITS (mm) ARE IN MILLIMETERS.							KP	MODEL N02 NEUTRON SOURCE, DOUBLE ENCAPSULATED		
		TOLERANCES (UNLESS OTHERWISE SPECIFIED) X.XXX ± .002 INCH ANGULAR TOLERANCE OF 0°±30° X.XX ± .005 INCH FRACTIONAL DIMENSIONS ± 1/32" X.X ± .03 INCH REFERENCE DIMENSIONS (I) N/A X. ± .1 INCH SURFACE ROUGHNESS μINCH MAX							ME/CHECKER			
									AR			
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.							ENGINEER	SERIES TITLE				
							EZ	HIGH INTENSITY GAMMA & NEUTRON				
							SCALE	4:1	DRAWING NO.	REV	C	
											SHEET	2 OF 2



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CERTIFICATE NUMBER: USA/0793/S-96, Revision 0

ORIGINAL REGISTRANT(S):

Ms. Frida Tan
Regulatory Affairs Manager
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Valencia, 91355
USA