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

400 Seventh Street, S.W.
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0352/S, REVISION 5

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[1] and the United States of America[2] for the transport of radioactive materials.

1. Source Identification - Isotope Products Laboratories (IPL) Model 295.

2. Source Description - Annular welded single encapsulation made of Type 304 or 304L stainless steel. Approximate dimensions are 29.97 mm (1.18 in.) in outside diameter, 18.8 mm (0.74 in.) in inside diameter and 2.67 mm (0.105 in.) in thickness. Construction shall be in accordance with attached Isotope Products Laboratories Drawing No. 4004, Sheet 1 of 1.

3. Radioactive Contents - No more than 5.55 GBq (0.15 Ci) of Americium-241. The Am-241 is in the form of an oxide in a ceramic.

4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations[1] shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

5. Expiration Date - This certificate expires August 31, 2010.

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 petition and information dated July 27, 2005 submitted by Isotope Products Laboratories, Valencia, CA, and in consideration of other information on file in this Office.

Certified by:

Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

AUG 12 2005
(DATE)

Revision 5 - Issued to extend the expiration date.

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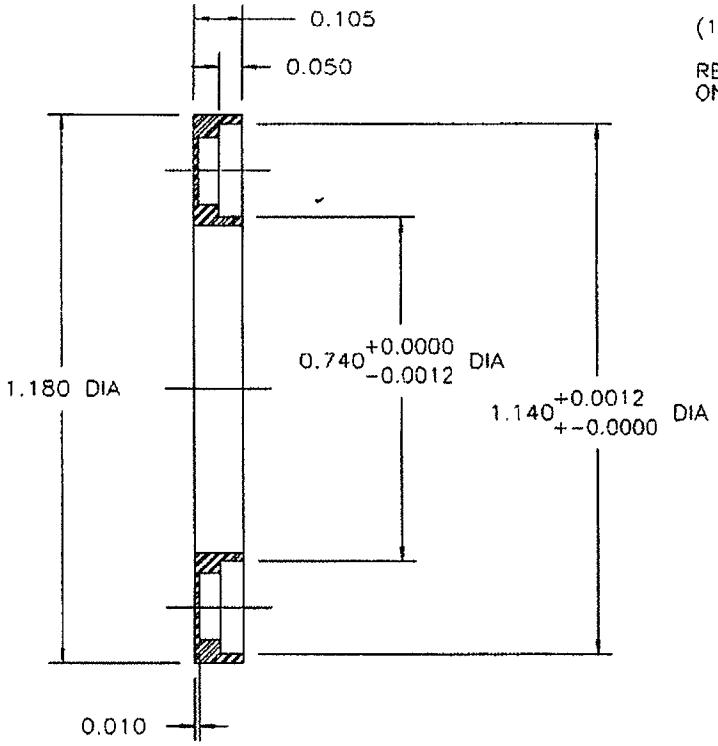
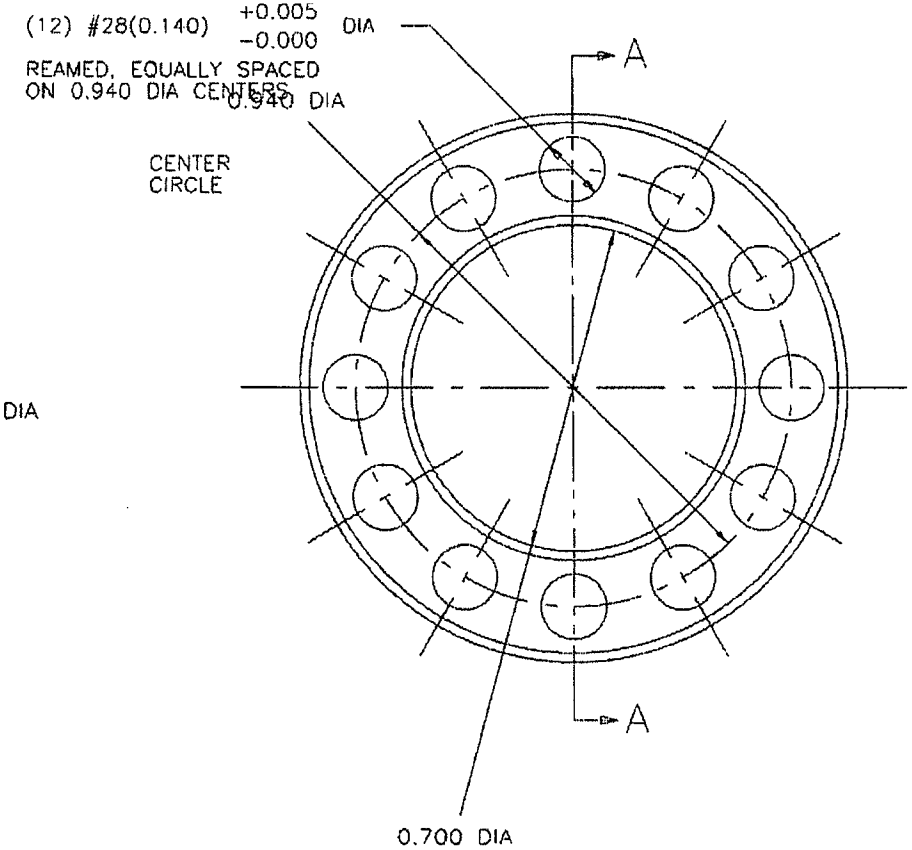
1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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



SECTION A—A



HOLDER

MATERIAL: 0.125 THICKNESS x 1.25 DIA
AISI 304 OR 304L

7. INDIVIVUALLY PACKAGE AND IDENTIFY PART NUMBER THEREON
6. FILLETS AND ROUNDS 0.015R
5. SURFACE FINISH: NONE
4. SURFACE TEXTURE: 32√
3. REMOVE BURRS AND BREAK ALL SHARP EDGES
2. TOLERANCES: 0.XXX 0.002, 0.XX 0.01 ±0.X 0.1, ±
ANGLE ±0.5 °
1. DIMENSIONS ARE IN INCHES

NOTE: UNLESS OTHERWISE SPECIFIED

ISOTOPE PRODUCTS LABORATORIES BURBANK, CALIFORNIA 91504		
SCALE: NTS	APPROVED:	DESIGNED: JMD/RLT
DATE: 11/20/93		REV/CHG: –
TITLE: HOLDER, ACTIVITY		SHEET: 1 OF 1
SERIES: XRF ANNULAR SOURCES		DRAWING NUMBER 4004