



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0800/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 - Source Production & Equipment Co., Inc. Special Form VSe-5x5.
2. Source Description - Cylindrical single encapsulation made of vanadium, laser seal welded and either coated with titanium aluminum nitride or plated with nickel. Approximate outer dimensions are 5.03 mm (0.198 in.) in diameter and 5.02 mm (0.198 in.) in length. Construction shall be in accordance with attached Source Production & Equipment Co., Inc., Drawing No. BS1249, Rev. 0.
3. Radioactive Contents - No more than 5.55 TBq (150 Ci) of Selenium-75. The Se-75 is in either solid elemental form or as a solid metal alloy.
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 April 30, 2019.

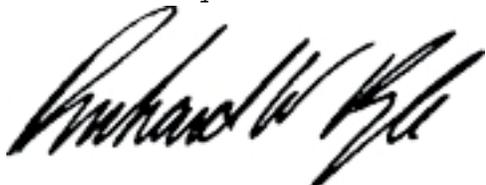
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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 January 10, 2014 petition by Source Production and Equipment Company, Inc., St. Rose, LA, and in consideration of other information on file in this Office.

Certified By:



Apr 04 2014

(DATE)

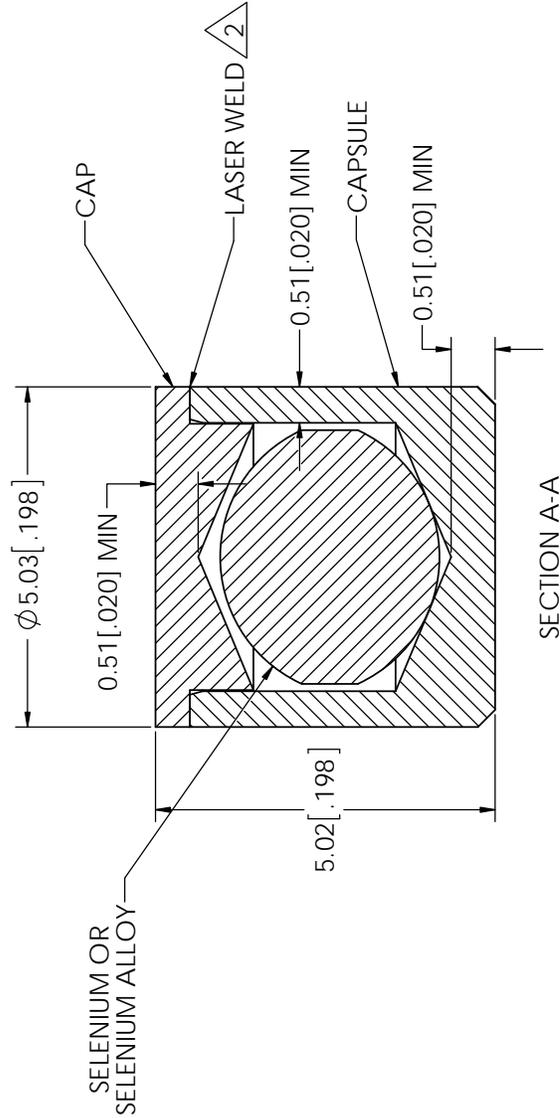
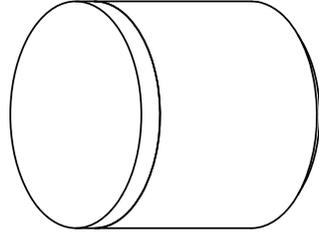
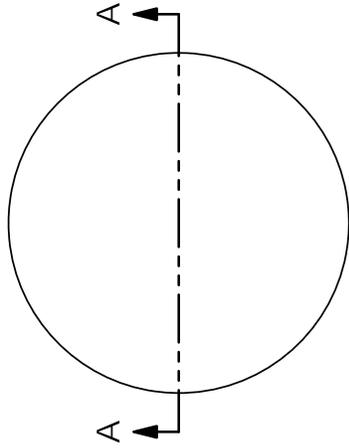
 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

NOTE:

1. ALL DIMENSIONS AND VALUES IN BRACKETS ARE ENGLISH.
2. MINIMUM WELD PENETRATION OF .51 MM [.020 IN].
3. MATERIAL: VANADIUM COATED WITH TITAN OR NICKEL (PLATING).
4. EITHER THE HEIGHT OR DIAMETER WILL BE AT LEAST 5.0 MM.



REVISIONS		
REV	DESCRIPTION	DATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS	DATE
XX ± .25 [.010]		KZ	01-06-14
		CHECKED	MO1
		APPROVED	MO1
TREATMENT	NONE		
FINISH	NONE		
DO NOT SCALE DRAWING		OA CLASS	N/A
SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST., ST. ROSE, LA 70087		VS _e - 5 X 5	
SIZE	DWG. NO.	REV	
C	BS1249	0	
SCALE: NTS	BS124900	SHEET 1 OF 1	