



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0818/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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Source Production and Equipment Company, Inc. MiniBulk Source Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 410 stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 10.98 mm (0.432 in.) in diameter and 39.0 mm (1.54 in.) in length. Construction shall be in accordance with attached Source Production & Equipment Co., Inc., Drawing No. B170550, Rev. 0.
3. Radioactive Contents - No more than either 55.5 TBq (1,500 Ci) of Selenium-75, 81.4 TBq (2,200 Ci) of Iridium-192, or 55.5 TBq (1,500 Ci) of Ytterbium-169. The Se-75 is in either solid elemental form or as a solid metal alloy sealed in primary Vanadium capsules. The Ir-192 is in solid metallic form. The Yb-169 is in the form of solid oxide pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> 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 October 31, 2021.

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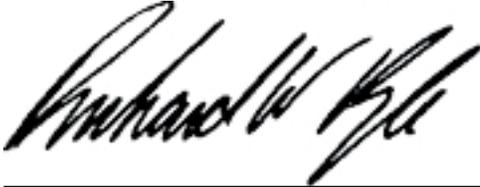
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0818/S-96, REVISION 0**

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 September 21, 2016 petition by Source Production and Equipment Company, Inc., St. Rose, LA, and in consideration of other information on file in this Office.

Certified By:



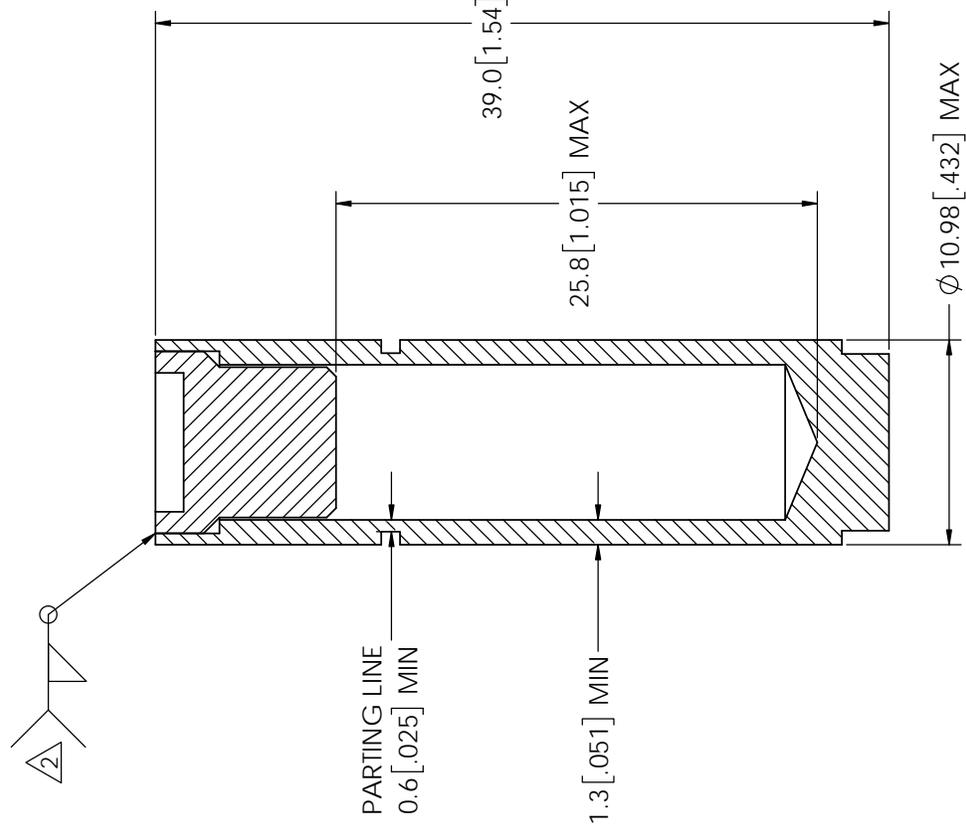
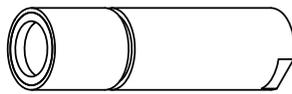
**Oct 13 2016**

(DATE)

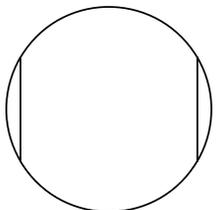
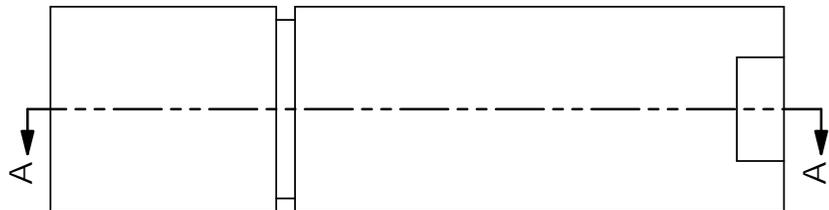
 William Schoonover  
Acting Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SECTION A-A



**NOTES:**

- MATERIAL IS 410 STAINLESS STEEL.



TIG WITH MINIMUM 0.5 mm PENETRATION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE:		APPROVALS	DATE	SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST., ST. ROSE, LA 70087	
N/A		DRAWN WKM	9-19-16	MINI BULK SPECIAL FORM CAPSULE	
		CHECKED MQ1	MO1	SIZE	REV
		APPROVED MQ1	MO1	A	B170550
TREATMENT	NONE	OA CLASS	N/A	SCALE: NTS	B17055000
FINISH	NONE				
DO NOT SCALE DRAWING					SHEET 1 OF 1



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**CERTIFICATE NUMBER:** USA/0818/S-96, Revision 0

**ORIGINAL REGISTRANT(S):**

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