



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0740/S-96, REVISION 3**

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 - QSA Global, Inc. Model X1300 (Manufactured on or after February 10, 2000).
2. Source Description - Cylindrical single encapsulation made of MP35N and tungsten inert gas or laser seal welded. Approximate outer dimensions are 16.5 mm (0.65 in.) in diameter and 44.5 mm (1.75 in.) in length. Minimum wall thickness is 0.5 mm (0.02 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA63121, Rev. A.
3. Radioactive Contents - No more than 740.0 GBq (20.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder and pressed into a solid pellet.
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 January 31, 2021.

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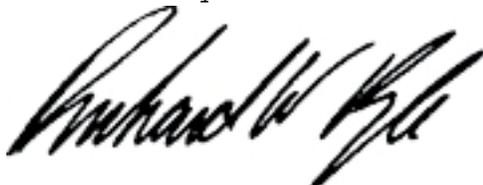
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0740/S-96, REVISION 3**

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 12, 2016 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



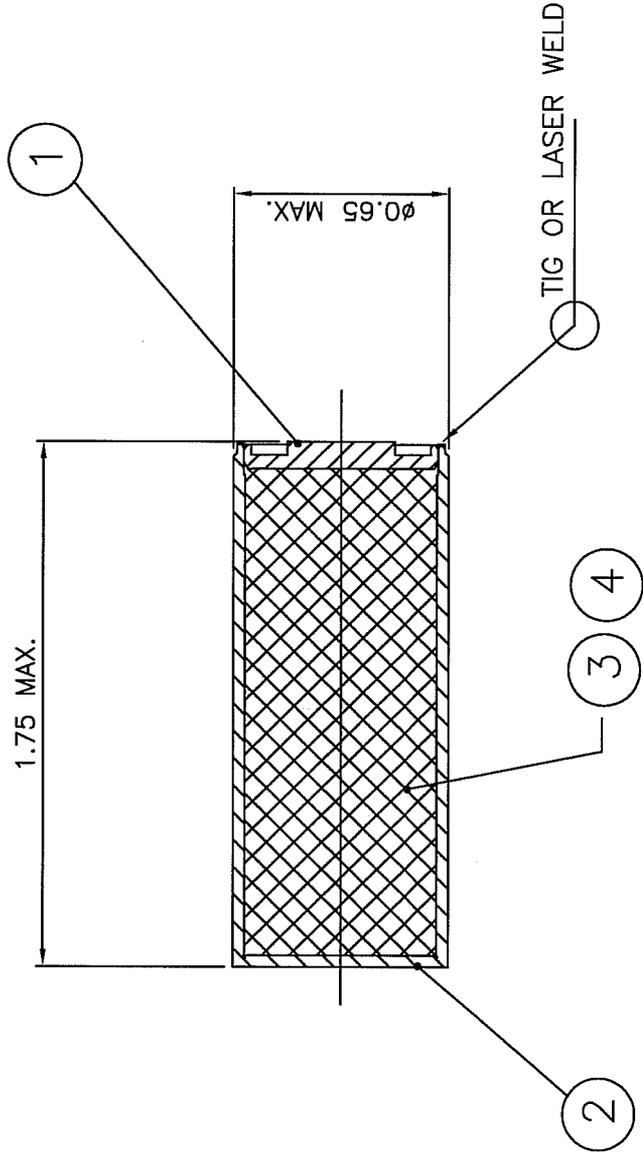
**Jan 29 2016**

(DATE)

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

Revision 3 - Issued to extend the expiration date.

Item	Description	Matl.	Qty.
1	X1300 LID	MP35N	1
2	X1300 BODY	MP35N	1
3	Active Material		AR
4	Ceramic Fiber Packing (optional)		AR



40 NORTH AVE. BURLINGTON, MA 01803

DESCRIPTIVE  
DRAWING

TITLE X1300 CAPSULE ASSEMBLY

APPROVALS	DATE
<i>D. Prui</i>	18 Apr. 06
<i>R. G. ...</i>	18 Apr. 06

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS IN INCHES  
TOLERANCES:  
FRACTIONS  $\pm 1/8$   
X.X  $\pm 0.12$   
X.XX  $\pm 0.06$   
X.XXX  $\pm 0.020$

SIZE	DWG. NO.	REV
A	RBA63121	A
SCALE:	NTS	SHEET 1 OF 1

ERF # 1332



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**CERTIFICATE NUMBER:** USA/0740/S-96, Revision 3

**ORIGINAL REGISTRANT(S):**

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