



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0737/S-96, REVISION 2**

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 - QSA Global, Inc. Model X2167 (Manufactured on or after November 22, 1995).
2. Source Description - Cylindrical double encapsulation made of MP35N and tungsten inert gas or laser seal welded. Approximate outer dimensions are 14.5 mm (0.57 in.) in diameter and 31.8 mm (1.25 in.) in length. Minimum wall thickness of the outer encapsulation is 0.7 mm (0.03 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA62950, Rev. A.
3. Radioactive Contents - No more than 185.0 GBq (5.0 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 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 January 31, 2021.

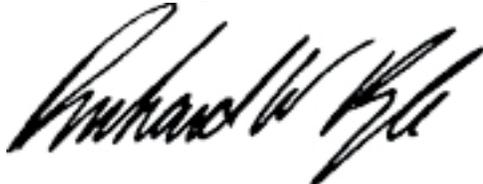
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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 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

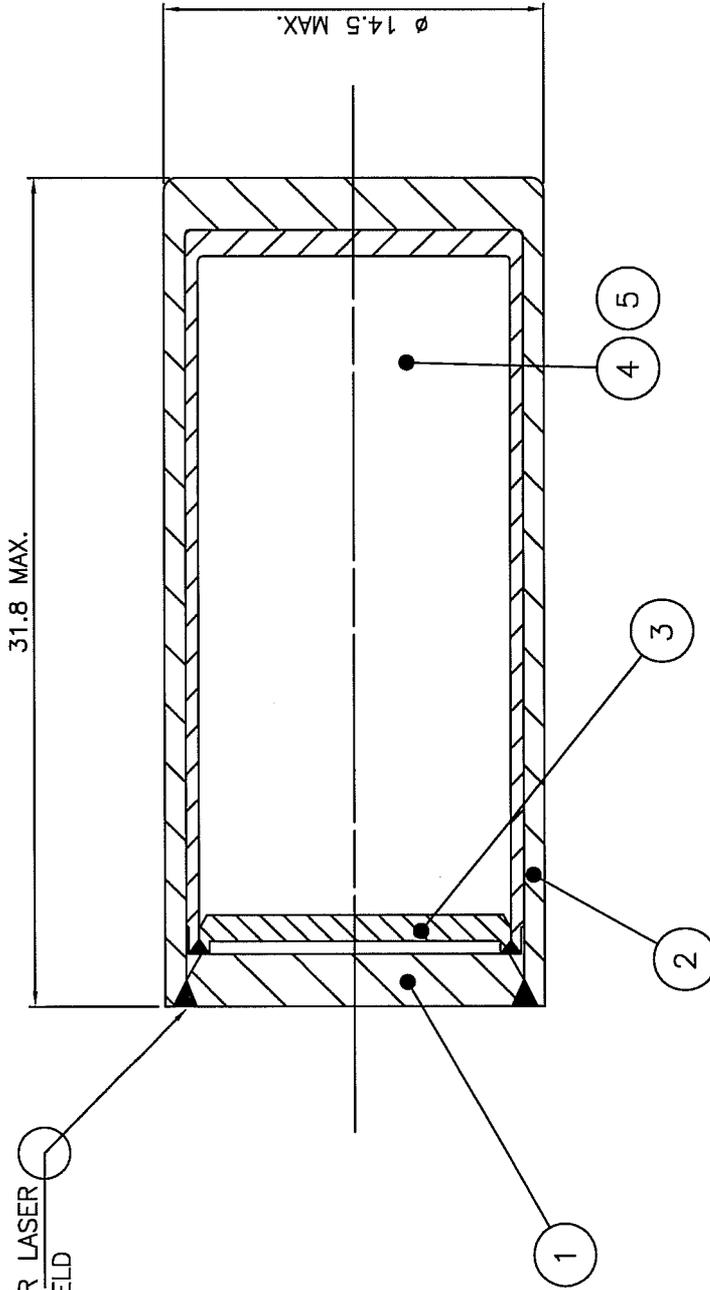
(DATE)

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

Revision 2 - Issued to extend the expiration date.

ITEM	DESCRIPTION	MATERIAL	QTY.
1	OUTER LID	MP35N	1
2	OUTER BODY	MP35N	1
3	INNER CELL ASSEMBLY		1
4	ACTIVE MATERIAL	AR	AR
5	CERAMIC FIBER PACKING (OPTIONAL)	AR	AR

TIG OR LASER WELD



APPROVALS	DATE
<i>D. Pava</i>	17 Apr '06
<i>R. P. ...</i>	18 Apr '06

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN MILLIMETERS
TOLERANCES:
X.X ± 0.12
X.XX ± 0.06



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

TITLE ASSEMBLY OF X2167 CAPSULE

SIZE	DWG. NO.	REV
A	RBA62950	A
SCALE:	NTS	SHEET 1 OF 1

ERF # 1330



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