



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0732/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 X91 (Manufactured on or after June 1, 1981).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 10.9 mm (0.43 in.) in diameter and 6.25 mm (0.25 in.) in length. Minimum wall thickness is 0.2 mm (0.008 in.). Construction shall be in accordance with attached QSA Global Drawing No. RBA11056, Rev. A.
3. Radioactive Contents - No more than either 11.0 GBq (297.3 mCi) of Americium-241 or 37.0 GBq (1.0 Ci) of Curium-244. The Am-241 and Cm-244 are in the form of an oxide incorporated into a ceramic matrix.
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 October 31, 2020.

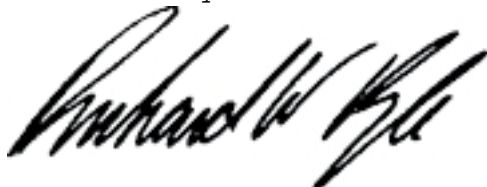
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

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 October 08, 2015 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



Oct 26 2015

(DATE)

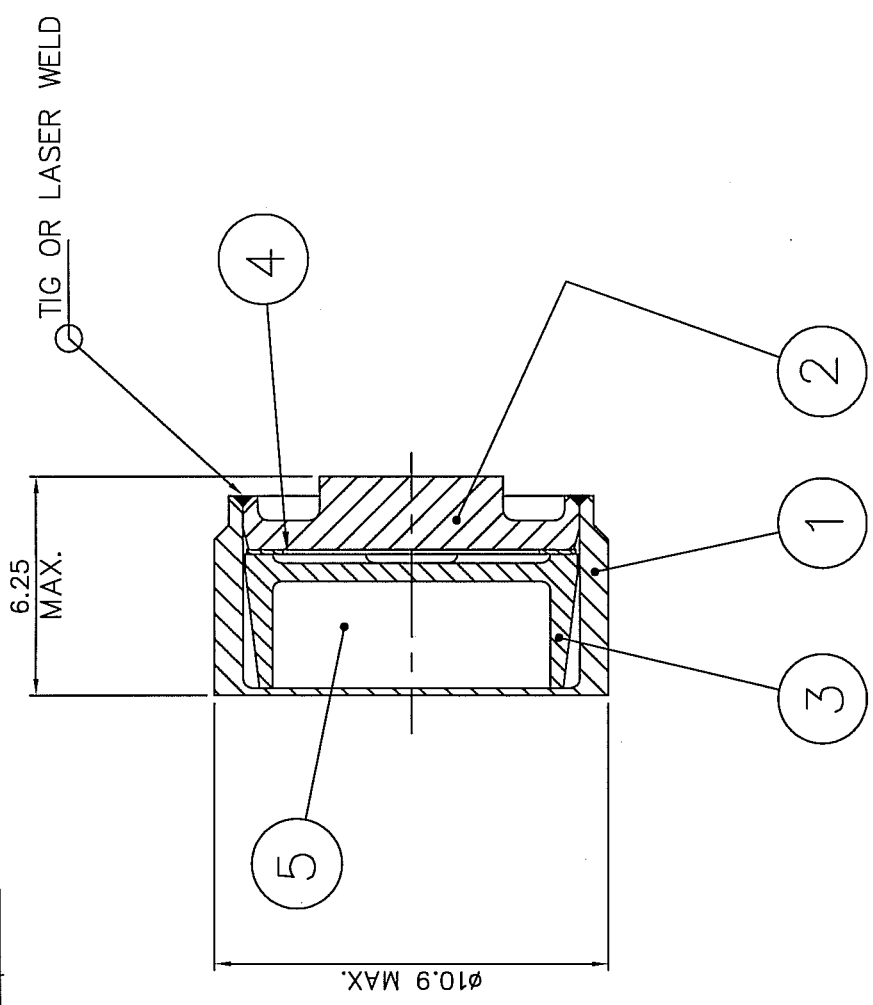
 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 2 - Issued to extend the expiration date.

REVISIONS		APPROVALS	DATE
REV.	ERF #	DESCRIPTION	SEE TITLE BLOCK
A	1260	INITIAL RELEASE	

Item No.	Description	qty.
1	BODY STAIN STL.	1
2	LID STAIN STL.	1
3	INSERT STAIN STL.	1
4	GASKET COPPER	1
5	ACTIVE MATERIAL	—



NOTE:
 1) DIMENSIONS ARE IN MILLIMETERS.
 2) TOLERANCES:
 X ± 0.5
 X.X ± 0.12
 X.XX ± 0.06
 X.XXX ± 0.020
 ANGULARITY ± 5°

		DESCRIPTIVE DRAWING	
APPROVALS <i>P. Munn</i> <i>P. P. P. P.</i>		DATE 7 Feb 06 7 Feb 06	
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES FRACTIONS ± 1/8 X.X ± 0.12 X.XX ± 0.06 X.XXX ± 0.020		TITLE ASSEMBLY OF CAPSULE X91	
40 NORTH AVE, BURLINGTON, MA 01803		DWG. NO. RBA11056	
SCALE: NTS		SHEET 1 OF 1	

ERF # 1260



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CERTIFICATE NUMBER: USA/0732/S-96, Revision 2

ORIGINAL REGISTRANT(S):

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