



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0731/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 XN44 (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 41.1 mm (1.62 in.) in diameter and 8.2 mm (0.32 in.) in length. Minimum wall thickness is 0.25 mm (0.01 in.). Construction shall be in accordance with attached QSA Global Drawing No. RBA62212, Rev. A.
3. Radioactive Contents - No more than 148.0 GBq (4.0 Ci) of Americium-241. The Am-241 is 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.

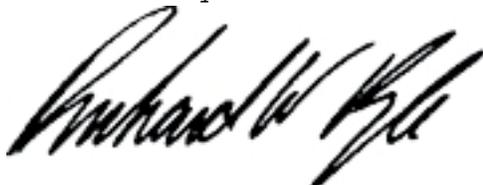
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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 22 2015

(DATE)

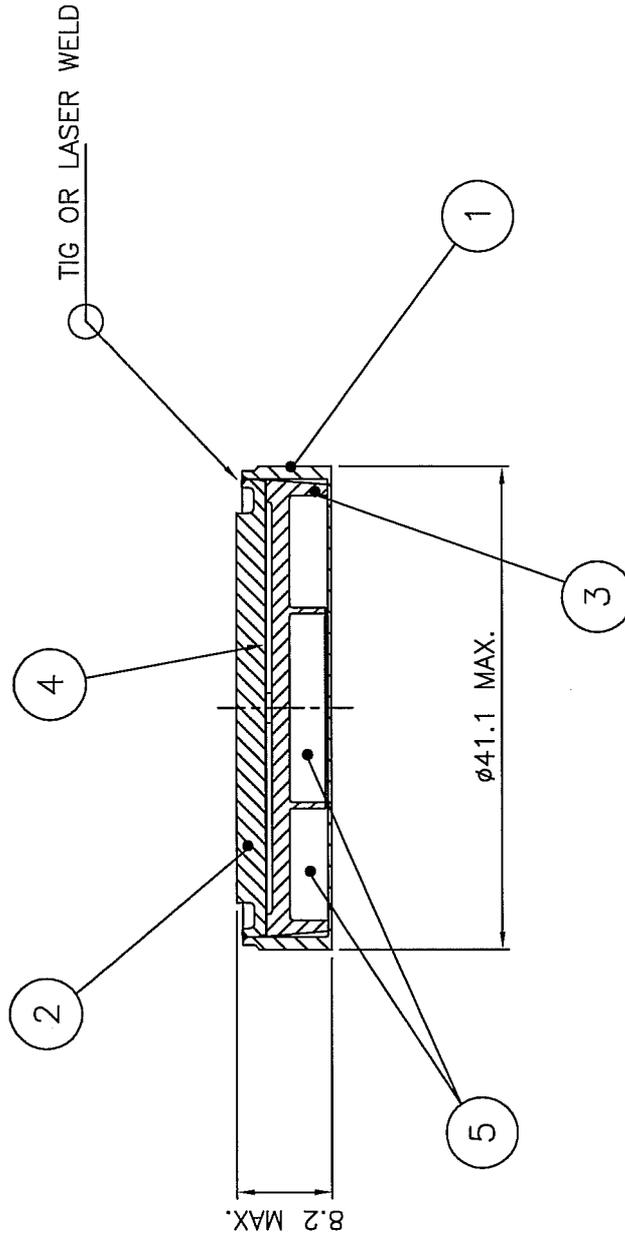
 Dr. Magdy El-Sibaie

Associate Administrator for Hazardous Materials Safety

Revision 2 - Issued to extend the expiration date.

REV.	ERF #	DESCRIPTION	APPROVALS	DATE
A	1259	INITIAL RELEASE	SEE TITLE	BLOCK

Item	Description	Material	Qty.
1	BODY	STAIN. STL.	1
2	LID	STAIN. STL.	1
3	INSERT	STAIN. STEEL	1
4	GASKET	COPPER	1
5	ACTIVE MATERIAL	—	—



NOTE: DIMENSIONS ARE IN MILLIMETERS.



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

APPROVALS	DATE
<i>R. Gunn</i>	13 FEB 06
<i>S.P. de la</i>	13 Feb 06

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES

TOLERANCES:
 FRACTIONS ± 1/8
 X.X ± 0.12
 X.XX ± 0.06
 X.XXX ± 0.020

TITLE ASSEMBLY OF CAPSULE XN44

SIZE	DWG. NO.	REV
A	RBA62212	A
SCALE:	1:1	SHEET 1 OF 1

ERF # 1259



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