



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0699/S-96, REVISION 3

East Building, PHH-23  
1200 New Jersey Ave, SE  
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 X2043 (Manufactured on or after July 1, 1982).
2. Source Description - Cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 50.0 mm (1.97 in.) in diameter and 85.2 mm (3.35 in.) in length. Minimum wall thickness of the outer encapsulation is 2.0 mm (0.08 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing Number RBA11115, Rev. A.
3. Radioactive Contents - No more than 1.85 TBq (50.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder that is then pressed into a solid pellet.
4. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations 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 requirements of Subpart H of 10 CFR 71.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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/0699/S-96, REVISION 3**


5. Expiration Date - This certificate expires on May 31, 2024. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the May 1, 2019 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

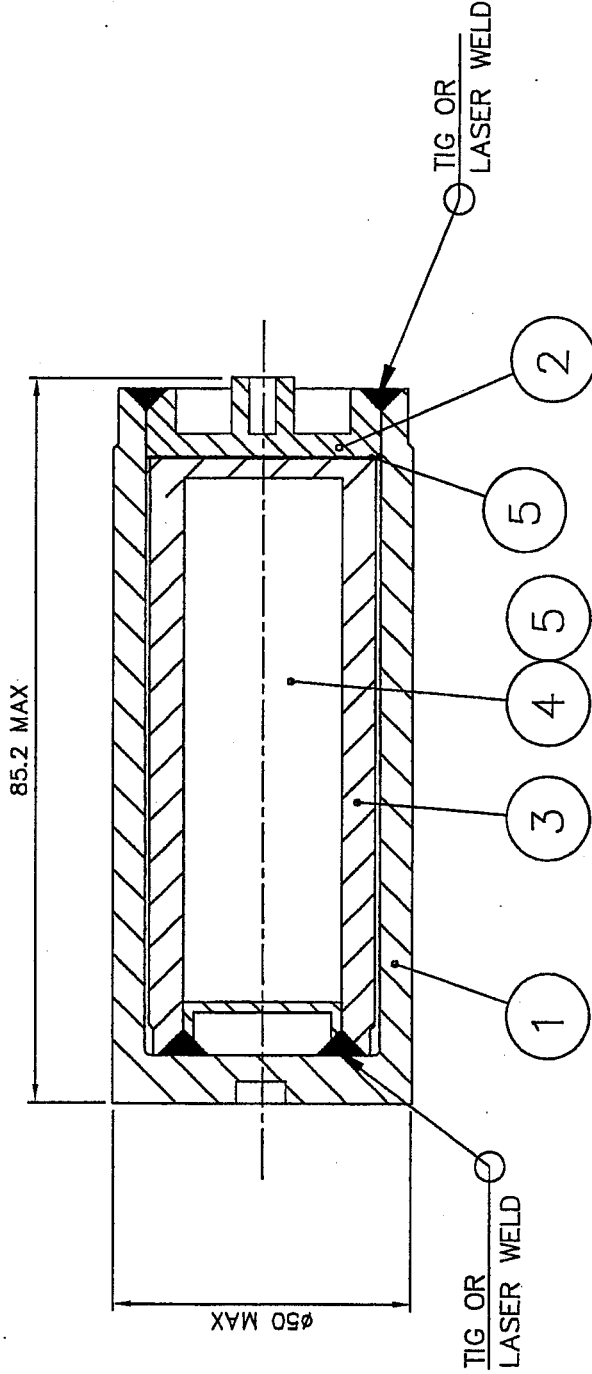


May 17, 2019  
(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 3 - Issued to extend the expiration date.

ITEM	DESCRIPTION	QTY
1	BODY STAIN.STL	1
2	LID STAIN.STL	1
3	CELL STAIN.STL	1
4	ACTIVE MATERIAL	AR
5	CERAMIC FIBER (OPTIONAL)	AR



APPROVALS

*[Signature]*

*[Signature]*

36 JUNE 2005

DIMENSIONS IN MILLIMETERS  
UNLESS OTHERWISE STATED TOLERANCES:

X ±0.5  
X.X ±0.1  
X.XX ±0.05  
ANGULAR ±5°

INTERNAL    
EXTERNAL

DESCRIPTIVE  
DRAWING

TITLE X2043 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA11115	A
SCALE: NONE		SHEET 1 OF 1

ERF # 977



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1200 New Jersey Ave, SE  
Washington, D.C. 20590

**CERTIFICATE NUMBER:** USA/0699/S-96

**ORIGINAL REGISTRANT(S) :**

QSA Global, Inc.  
30 North Avenue  
Burlington, MA, 01803  
USA