



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0691/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 X1274 (Manufactured on or after May 18, 1981).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate exterior dimensions are 22.9 mm (0.9 in.) in diameter and 88.9 mm (3.5 in.) in length. Minimum wall thickness is 1.1 mm (0.04 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA62676, 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 that is then 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 June 30, 2019.

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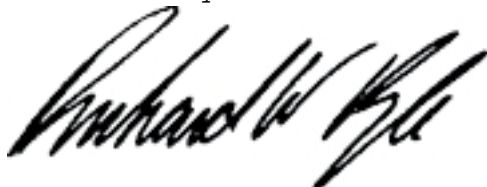
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0691/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 June 02, 2014 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



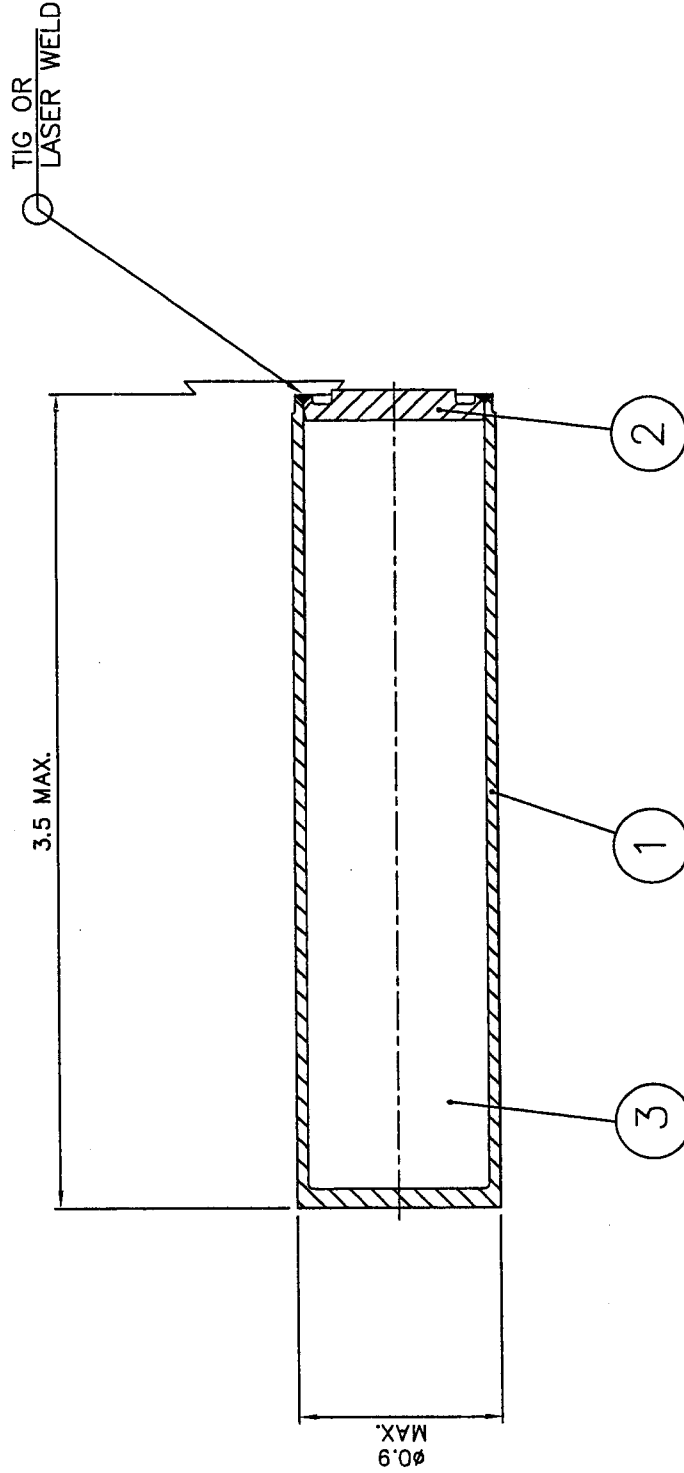
**Jun 30 2014**

(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	QTY
1	CELL BODY STAIN. STL.	1
2	CELL LID STAIN. STL.	1
3	ACTIVE MATERIAL	A/R



APPROVALS	
<i>L. J. [Signature]</i>	21 Oct 07
<i>K. P. [Signature]</i>	21 Oct 07

DIMENSIONS IN INCHES  
UNLESS OTHERWISE STATED TOLERANCES:

X	±0.5	INTERNAL	✓
X.X	±0.1	INTERNAL	✓
X.XX	±0.05	EXTERNAL	✓
ANGULAR	±5'		

<b>AEATECHNOLOGY</b> QSA		<b>DESCRIPTIVE DRAWING</b>	
40 NORTH AVE. BURLINGTON, MA 01803			
TITLE		X1274 CAPSULE ASSEMBLY	
SIZE	DWG. NO.	REV	
A	RBA62676	A	
SCALE: NONE		SHEET 1 OF 1	

ERF # 925



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**CERTIFICATE NUMBER:** USA/0691/S-96, Revision 3

**ORIGINAL REGISTRANT(S):**

Ms. Lori Podolak  
Manager, Regulatory Affairs/Quality Assurance  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803

Mr. Michael Fuller  
Regulatory Compliance Associate  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803

Jake Edelman  
Health Physicist  
QSA Global, Inc.  
40 North Avenue  
Burlington, MA 01803

**REGISTERED USER(S):**

Ms. Elizabeth Foltz  
Manager, Global Radiation and Explosives Safety  
Halliburton  
3000 North Sam Houston Parkway, East  
Houston, 77032  
USA

Mr. Steve Woods  
Global Radiation and Explosives Safety  
Halliburton  
1015 W Bois D Arc Ave  
Duncan, OK 73536

Mr. Neil Walters  
Global Radiation and Explosives Safety  
Halliburton  
3300 N. Sam Houston Parkway East  
Houston, TX 77032

Ms. Jill Mead  
Global RSO  
Halliburton  
3000 North Sam Houston Parkway, East  
Houston, 77032  
USA