



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0691/S-96, REVISION 5

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 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. 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.
5. Expiration Date - This certificate expires on December 31, 2028. Previous editions which have not reached their expiration date may continue to be used.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the November 28, 2023 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



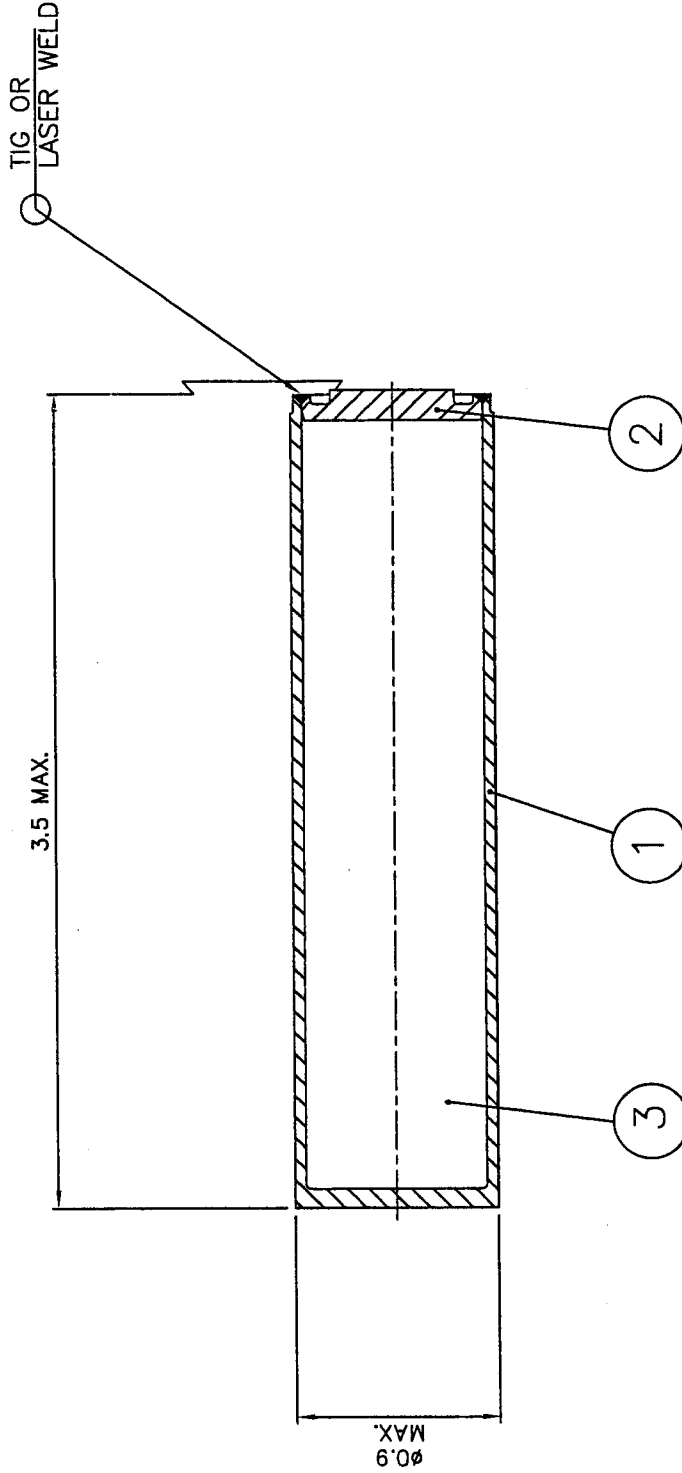
December 13, 2023

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 5 - 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. ...</i>	21 Oct 04
<i>K. P. ...</i>	21 Oct 04

DIMENSIONS IN INCHES
UNLESS OTHERWISE STATED TOLERANCES:

X ±0.5
XX ±0.1
XXX ±0.05

ANGULAR ±5°

INTERNAL ∇
EXTERNAL ∇

AEATECHNOLOGY QSA		DESCRIPTIVE DRAWING	
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

ORIGINAL REGISTRANT(S) :

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

Halliburton
3000 North Sam Houston Parkway, East
Houston, TX, 77032
USA