



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0635/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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X.1276 (Manufactured on or after July 29, 1980).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate exterior dimensions are 13.5 mm (0.53 in.) in diameter and 40.9 mm (1.61 in.) in length. Minimum wall thickness is 1.27 mm (0.05 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA62672, Rev. A.
3. Radioactive Contents - No more than 185.0 GBq (5.0 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder and pressed into a solid pellet.
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 August 31, 2017.

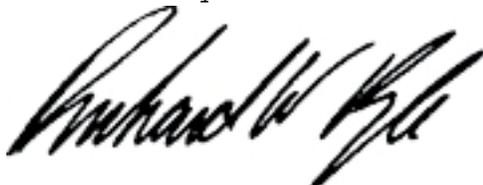
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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 August 22, 2012 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



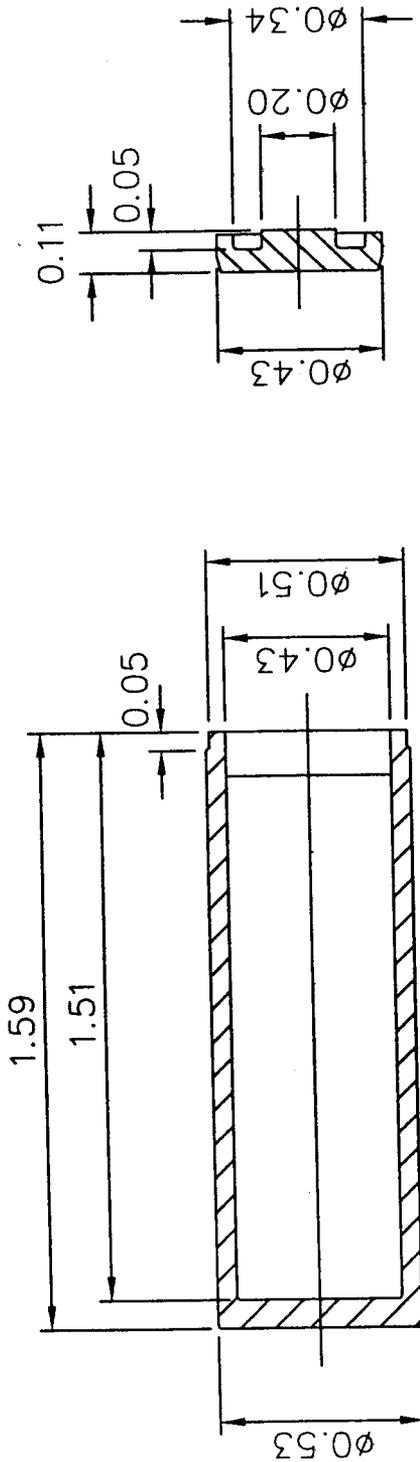
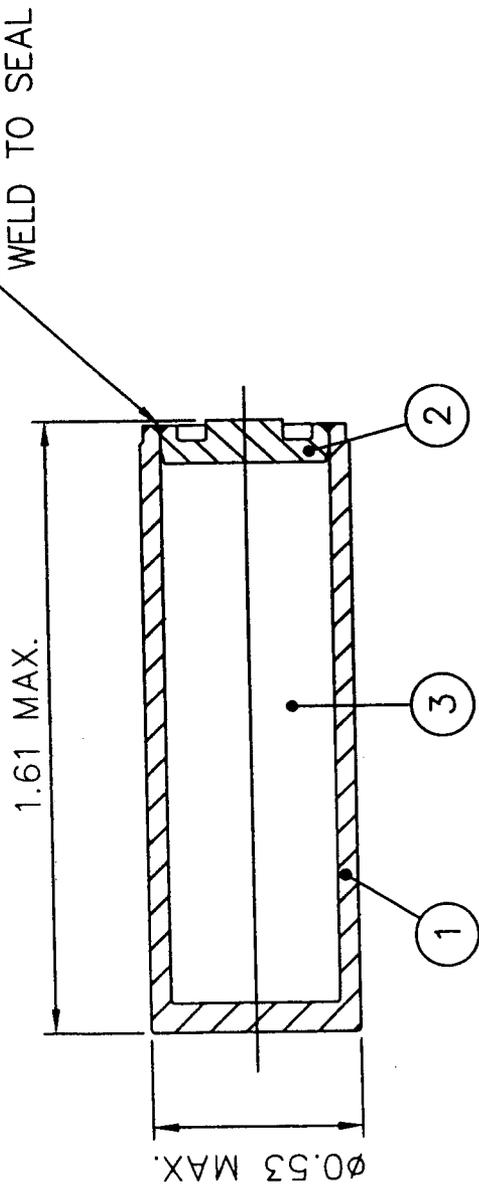
Sep 28 2012
(DATE)

 _____
Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Revision 3 - Issued to extend the expiration date.

ITEM No.	DESCRIPTION	QTY.
1	SHEATH BODY STAIN.STL.	1
2	SHEATH LID STAIN.STL.	1
3	ACTIVE MATERIAL	AR

TIG OR LASER
WELD TO SEAL



ITEM 2

ITEM 1

 QSA 40 NORTH AVE. BURLINGTON, MA 01803		DESCRIPTIVE DRAWING	
APPROVALS <i>[Signature]</i> 16 Apr 83 <i>[Signature]</i> 16 Apr 83		TITLE X1276 CAPSULE ASSEMBLY	
DIMENSIONS IN INCHES UNLESS OTHERWISE STATED TOLERANCES: X ±0.5 X.X ±0.1 X.XX ±0.05 ANGULAR ±5°		SIZE A	DWG. NO. RBA62672
ERF # 528		SCALE: NONE	SHEET 1 OF 1
		REV A	



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CERTIFICATE NUMBER: USA/0635/S-96, Revision 3

ORIGINAL REGISTRANT(S):

Ms. Lori Podolak
Product Licensing Specialist
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Ms. Cathleen Roughan
Director, Regulatory Affairs and QA
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

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

REGISTERED USER(S):

Mr. Raymond Dickes
Radiation Safety Officer
Schlumberger
200 Gillingham Lane
Sugar Land, 77478
USA

Thomas Bracke
RSO
Schlumberger
Princeton Technology Center
20 Wallace Road
Princeton Junction, NJ 08550