



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 4**

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 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 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, 2022.

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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/0635/S-96, REVISION 4**

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 May 10, 2017 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



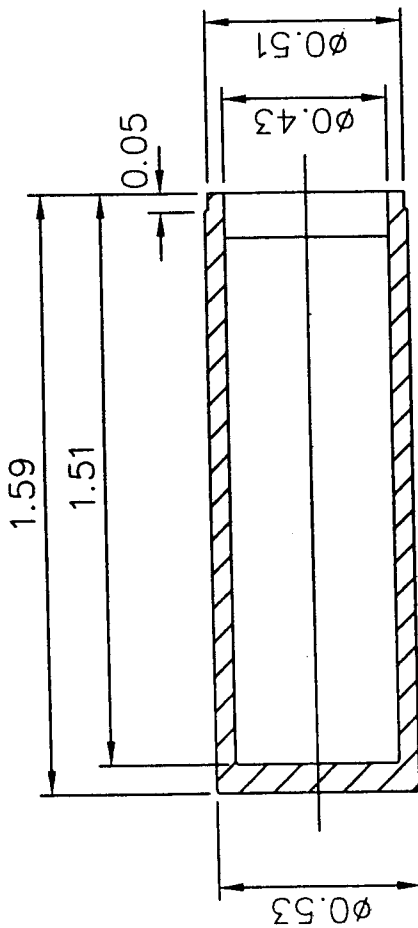
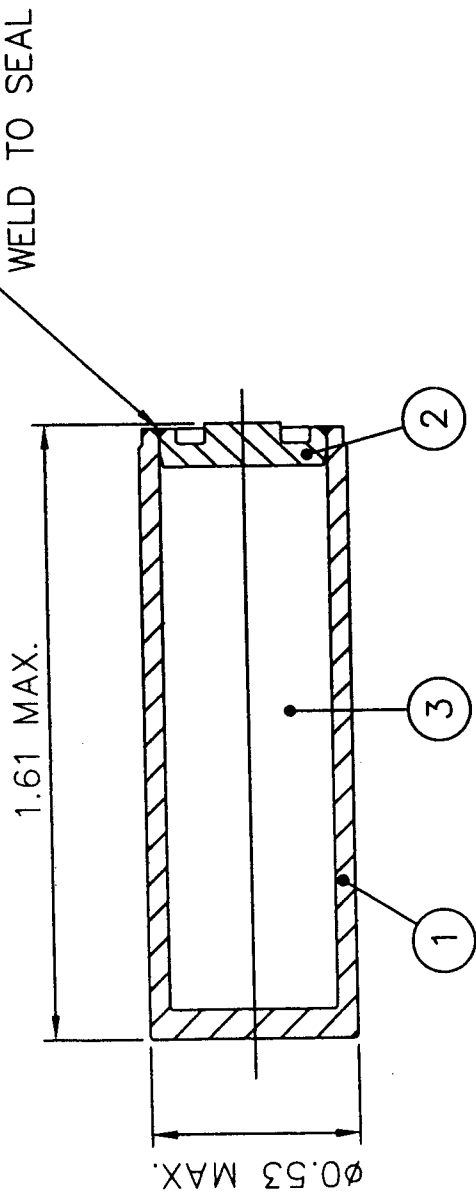
**Jun 13 2017**  
(DATE)

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William Schoonover  
Acting Associate Administrator for Hazardous Materials Safety

Revision 4 - 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 1

ITEM 2

APPROVALS  
*[Signature]* 16 Apr 83  
*[Signature]* 16 Apr 83



DESCRIPTIVE  
DRAWING

TITLE

X1276 CAPSULE ASSEMBLY

SIZE

A

DWG. NO. RBA62672

SCALE: NONE

SHEET 1 OF 1

REV

A

DIMENSIONS IN INCHES  
UNLESS OTHERWISE STATED TOLERANCES:

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

INTERNAL  $\frac{M}{N}$

EXTERNAL  $\frac{M}{N}$

ERF #

528



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**CERTIFICATE NUMBER:** USA/0635/S-96, Revision 4

**ORIGINAL REGISTRANT(S):**

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