



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0624/S, REVISION 6

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 No. X.2 (Manufactured on or after July 17, 1980).
2. Source Description - Cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 17.4 mm (0.69 in.) in diameter and 19.2 mm (0.76 in.) in length. Minimum sheath wall thickness is 0.8 mm (0.03 in.) and cell body minimum thickness is 0.85 mm (0.03 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA11001, Rev. A.
3. Radioactive Contents - No more than either 74.0 GBq (2.0 Ci) of Americium-241 or 18.5 TBq (500.0 Ci) of Promethium-147. The Am-241 is in oxide form and mixed with beryllium and pressed into a solid pellet. The Pm-147 is in oxide form and 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.

---

<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2018 Edition, No. SSR-6 (Rev. 1)" 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/0624/S, REVISION 6**

5. Expiration Date - This certificate expires on January 31, 2031. 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 December 12, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

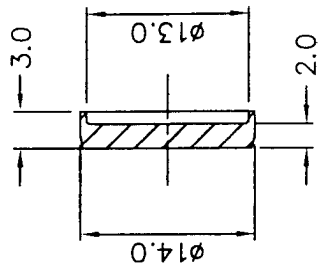
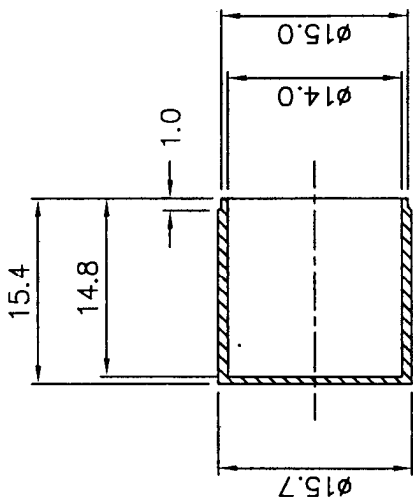
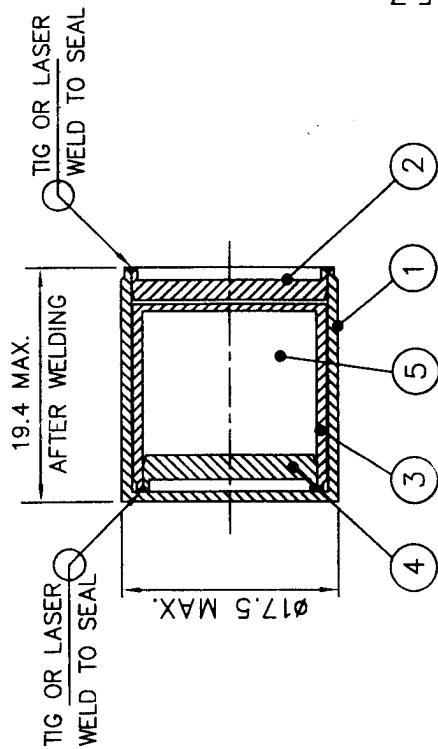


William Quade  
Acting Associate Administrator for  
Hazardous Materials Safety

January 16, 2026  
(DATE)

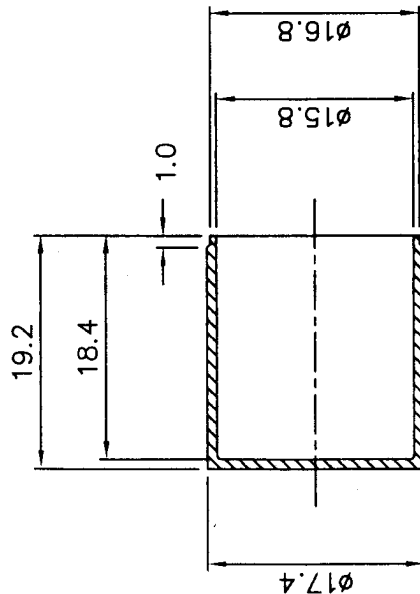
Revision 6 - Issued to endorse to 2018 edition of the IAEA Regulations for the Safe Transport of Radioactive Material, SSR-6 (Rev. 1) and to extend the expiration date.

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

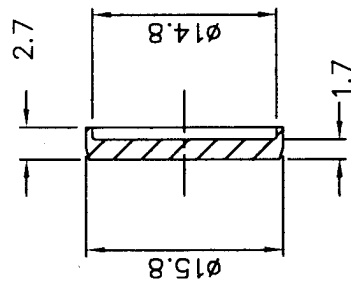


ITEM 3

ITEM 4



ITEM 1



ITEM 2

APPROVALS	DATE	BY
<i>[Signature]</i>	22JAN03	<i>[Signature]</i>
<i>[Signature]</i>	22JAN03	<i>[Signature]</i>

DIMENSIONS IN MILLIMETERS  
UNLESS OTHERWISE STATED TOLERANCES:

X	±0.5	INTERNAL	N/A
XX	±0.1	INTERNAL	N/A
XXX	±0.05	EXTERNAL	N/A
ANGULAR	±5°		



# DESCRIPTIVE DRAWING

TITLE X2 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA11001	A
SCALE:	SHEET	1 OF 1
NONE		

ERF # 429



U.S. Department of  
Transportation

**Pipeline and  
Hazardous Materials  
Safety Administration**

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

**CERTIFICATE NUMBER:** USA/0624/S-96

**ORIGINAL REGISTRANT(S) :**

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