



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0731/S, REVISION 4

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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model XN44 (Manufactured on or after June 1, 1981).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 41.1 mm (1.62 in.) in diameter and 8.2 mm (0.32 in.) in length. Minimum wall thickness is 0.25 mm (0.01 in.). Construction shall be in accordance with attached QSA Global Drawing No. RBA62212, Rev. A.
3. Radioactive Contents - No more than 148.0 GBq (4.0 Ci) of Americium-241. The Am-241 is in the form of an oxide incorporated into a ceramic matrix.
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 May 16, 2030. Previous editions which have not reached their expiration date may continue to be used.

¹ "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.

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

CERTIFICATE USA/0731/S, REVISION 4

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 April 30, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



May 12, 2025

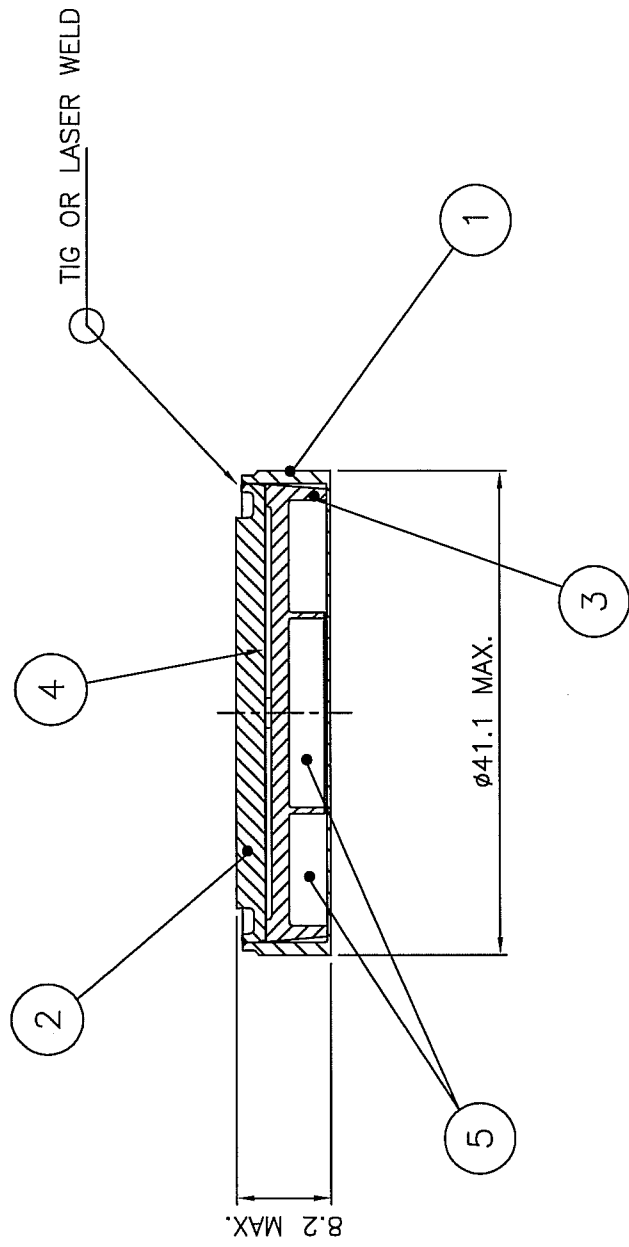
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 4 - Issued to endorse to 2018 Edition of the IAEA Regulations for the Safe Transport of Radioactive Materials, SSR-6 (Rev. 1), and to extend the expiration date.

REVISIONS			
REV.	ERF #	DESCRIPTION	DATE
A	1259	INITIAL RELEASE	
		APPROVALS	DATE
		SEE TITLE	BLOCK

Item	Description	Material	Qty.
1	BODY	STAIN. STL.	1
2	LID	STAIN. STL.	1
3	INSERT	STAIN. STEEL	1
4	GASKET	COPPER	1
5	ACTIVE MATERIAL		—



NOTE:
DIMENSIONS ARE IN MILLIMETERS.

APPROVALS	DATE
<i>R. J. Miller</i>	13 Feb 06
<i>K. P. D. Lee</i>	13 Feb 06


QSA GLOBAL

40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING			
TITLE ASSEMBLY OF CAPSULE XN44			
SIZE	DWG. NO.	SHEET 1 OF 1	
A	RBA62212	SCALE: 1:1	
		REV	A

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES:
FRACTIONS ± 1/8
X.X ± 0.12
X.XX ± 0.06
X.XXX ± 0.020

ERF # 1259



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/0731/S-96

ORIGINAL REGISTRANT(S) :

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