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

U.S. Department of Transportation

Pipeline and Hazardous Materials Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0732/S, REVISION 4

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[1] and the United States of America[2] for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X91 (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 10.9 mm (0.43 in.) in diameter and 6.25 mm (0.25 in.) in length. Minimum wall thickness is 0.2 mm (0.008 in.). Construction shall be in accordance with attached QSA Global Drawing No. RBA11056, Rev. A.

3. Radioactive Contents - No more than either 11.0 GBq (297.3 mCi) of Americium-241 or 37.0 GBq (1.0 Ci) of Curium-244. The Am-241 and Cm-244 are 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.

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[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/0732/S, REVISION 4

5. Expiration Date - This certificate expires on May 16, 2030. 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 April 30, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

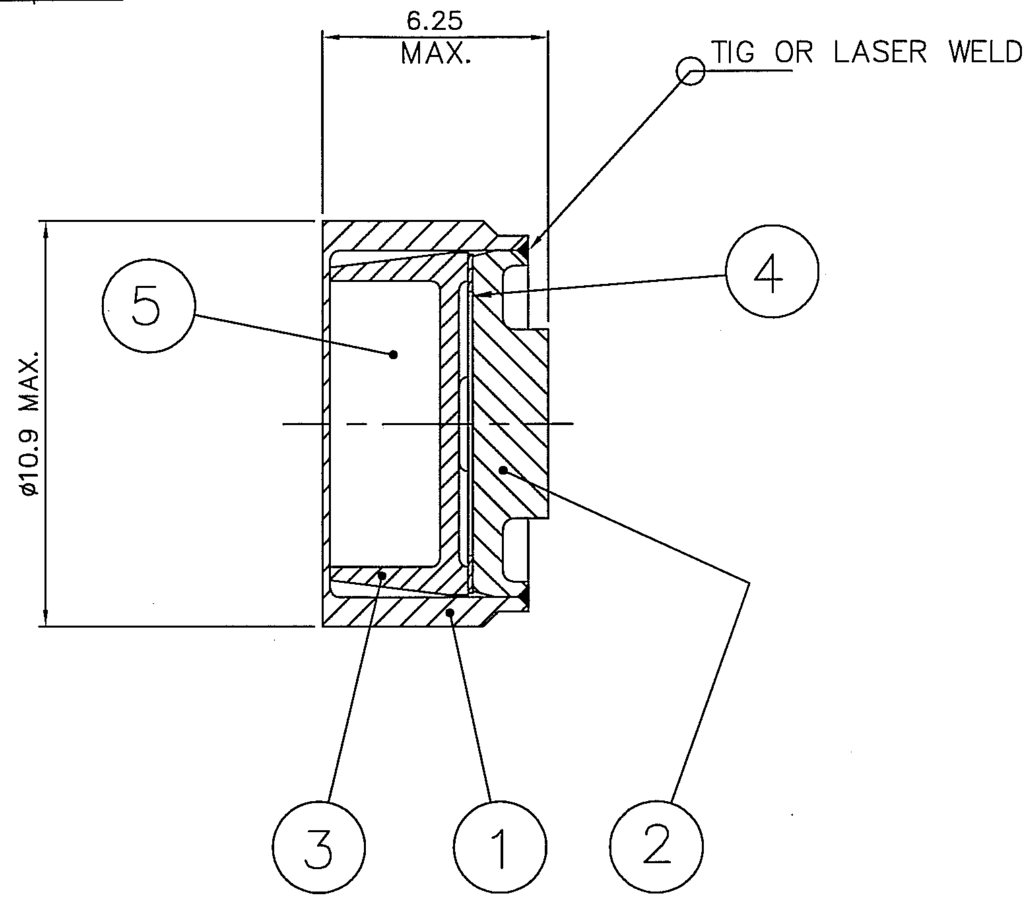
William Schoonover
Associate Administrator for Hazardous Materials Safety

May 09, 2025
(DATE)

Revision 4 - 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	BODY	STAIN STL.	1
2	LID	STAIN STL.	1
3	INSERT	STAIN STL.	1
4	GASKET	COPPER	1
5	ACTIVE MATERIAL		—

REVISIONS				
REV.	ERF #	DESCRIPTION	APPROVALS	DATE
A	1260	INITIAL RELEASE	SEE TITLE	BLOCK



NOTE:
1) DIMENSIONS ARE IN MILLIMETERS.
2) TOLERANCES:
X ± 0.5
X.X ± 0.12
X.XX ± 0.06
X.XXX ± 0.020

ANGULARITY ± 5°

APPROVALS	DATE
R. [signature]	7 Feb 06
L. [signature]	7 Feb 06

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

QSA GLOBAL
40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

TITLE ASSEMBLY OF CAPSULE X91

SIZE A | DWG. NO. RBA11056 | REV A

SCALE: NTS | SHEET 1 OF 1

ERF # 1260

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1200 New Jersey Ave, SE
Washington, D.C. 20590

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Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0732/S-96

ORIGINAL REGISTRANT(S):

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