



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0721/S, REVISION 6

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

This certifies that the sources described have 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. Models X10 and X10/2 (Manufactured on or after June 22, 1977).
2. Source Description - Cylindrical single encapsulations made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 8.1 mm (0.32 in.) in diameter and 5.4 mm (0.21 in.) in length. Minimum wall thickness is 0.2 mm (0.004 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA11049, Rev. A.
3. Radioactive Contents - No more than 1.85 GBq (50.0 mCi) of either Americium-241 or Curium-244. The Am-241 and Cm-244 are in the form of an oxide incorporated into a ceramic enamel.
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 January 31, 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.

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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 11, 2024 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



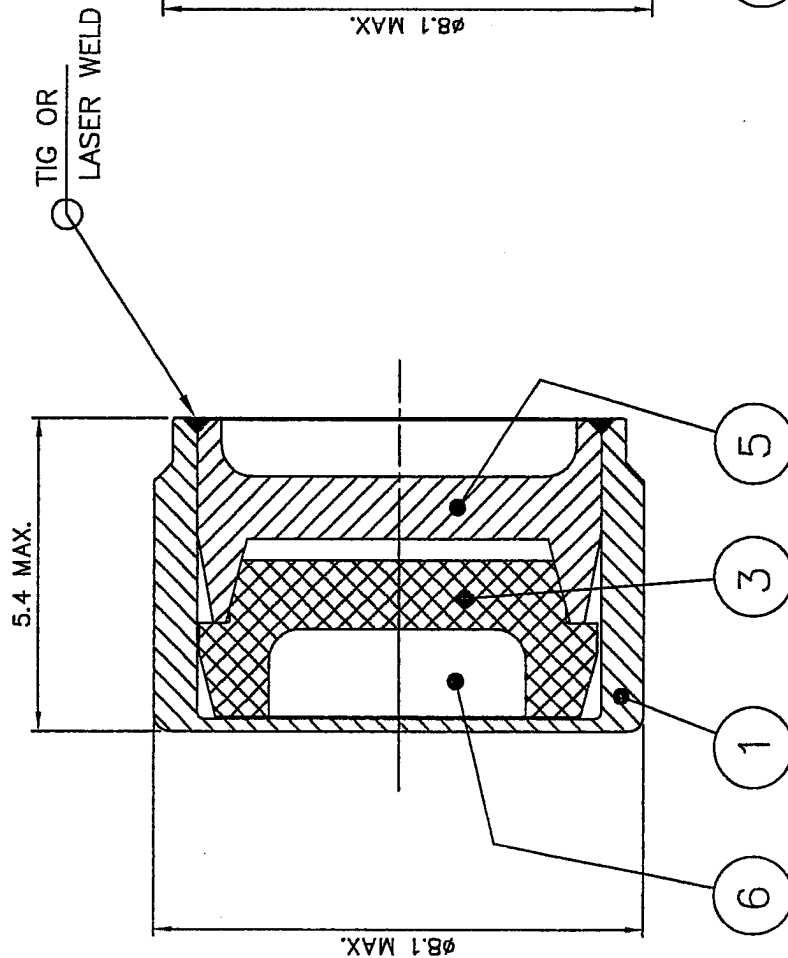
 William Schoonover
Associate Administrator for Hazardous
Materials Safety

January 21, 2025

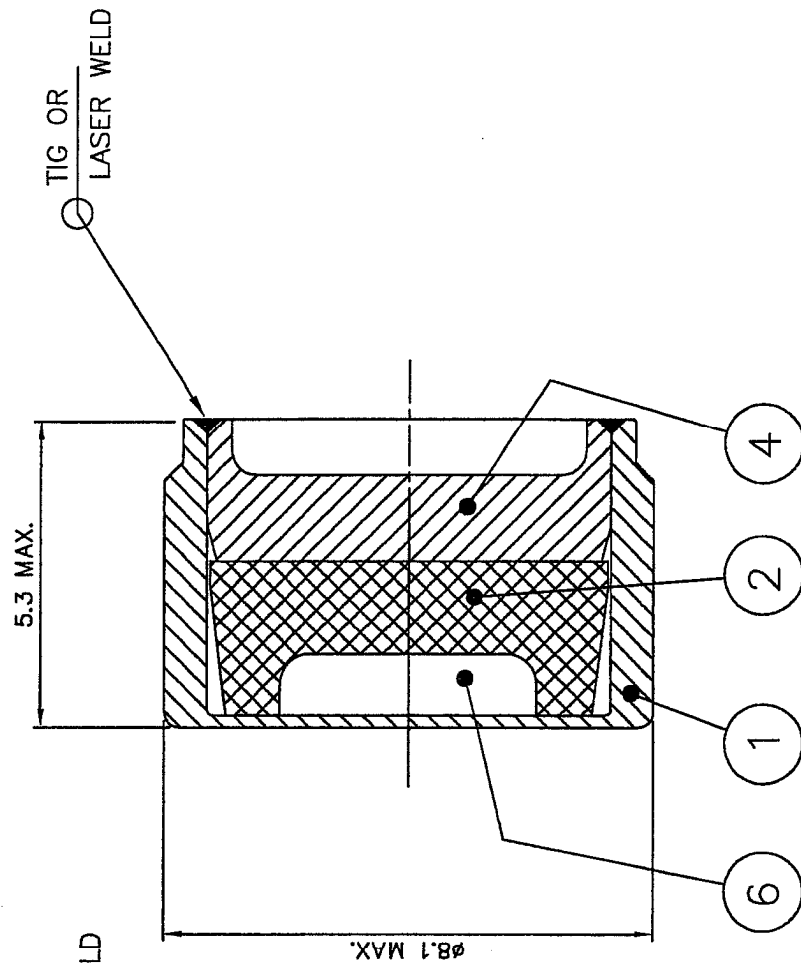
(DATE)

Revision 6 - Issued to extend the expiration date and to issue the certificate to the 2018 edition of SSR-6.

Item No	Description	No off
1	BODY	1
2	X10 INSERT	1
3	X10/2 INSERT	1
4	X10 LID	1
5	X10/2 LID	1
6	ACTIVE MATERIAL	A/R



X10/2



X10

APPROVALS	
<i>J. P. ...</i>	3 Nov 07
<i>R. P. ...</i>	3 Nov 07



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE STATED TOLERANCES:

X	±0.5
X.X	±0.1
X.XX	±0.05
ANGULAR	±5°
INTERNAL	N7
EXTERNAL	N8

TITLE X10 & X10/2 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA11049	A
SCALE: NONE		SHEET 1 OF 1

ERF # 1178



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Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0721/S

ORIGINAL REGISTRANT(S) :

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