



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

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

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0720/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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X135/2 (Manufactured on or after January 20, 1978).
2. Source Description - Cylindrical single encapsulation made of Monel with a beryllium window that is tungsten inert gas or laser seal welded on one end and seal brazed on the other end. Approximate outer dimensions are 22.2 mm (0.87 in.) in diameter and 6.3 mm (0.25 in.) in length. Minimum wall thickness is 0.95 mm (0.004 in.). Constuction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61803, Rev. A.
3. Radioactive Contents - No more than 55.5 GBq (1.5 Ci) of either Americium-241, Curium-244 or Plutonium-238. The Am-241 and Cm-244 are in the form of an oxide incorporated into a ceramic enamel. The Pu-238 is in the form of oxide or 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.

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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5. Expiration Date - This certificate expires on January 31, 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 December 11, 2024 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

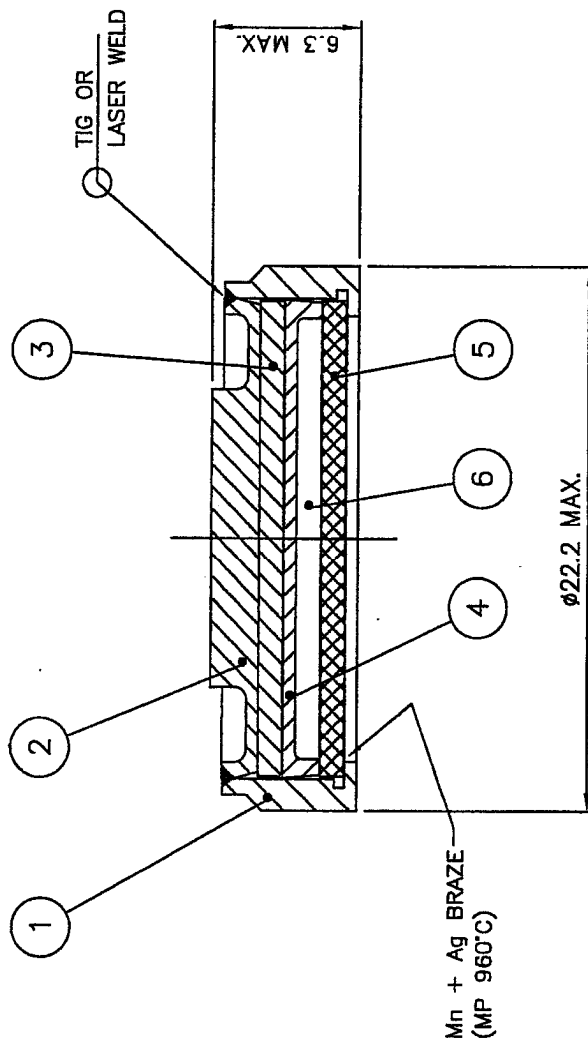


 William Schoonover
Associate Administrator for Hazardous
Materials Safety

January 21, 2025
(DATE)

Revision 4 - Issued to extend the expiration date and to issue the certificate to the 2018 edition of SSR-6.

Item	Description	No.o
1	BODY	MONEL
2	LID	MONEL
3	PLUG	TUNGSTEN
4	INSERT	STAIN. STL.
5	WINDOW	BERYLLIUM
6	ACTIVE MATERIAL	A/F



		DESCRIPTIVE DRAWING	
APPROVALS <i>D. P. [Signature]</i> 3 Nov 05 <i>K. P. [Signature]</i> 3 Nov 05		TITLE X135/2 CAPSULE ASSEMBLY	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES: X ±0.5 X.X ±0.1 X.XX ±0.05 ANG III AR +R		SIZE DWG. NO. RBA61803	
INTERNAL NG EXTERNAL NG		REV A	



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CERTIFICATE NUMBER: USA/0720/S

ORIGINAL REGISTRANT(S) :

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