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/0718/S, REVISION 5

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 X130/7 (Manufactured on or after May 9, 1988).

2. Source Description - Cylindrical single encapsulation made of monel, beryllium, and stainless steel that is brazed on one end and tungsten inert gas or laser seal welded on the other end. The capsule may have an optional tungsten shield that is attached with epoxy adhesive. Approximate outer dimensions are 8.1 mm (0.32 in.) in diameter and either 5.3 mm (0.21 in.) in length without the tungsten shield or 5.9 mm (0.23 in.) in length with the tungsten shield. Minimum wall thickness is 0.9 mm (0.035 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61952, Rev. A.

3. Radioactive Contents - No more than 7.5 GBq (202.7 mCi) of either Plutonium-238, Americium-241, Curium-244, or Californium-252. The Pu-238 and Am-241 are in the form of an oxide incorporated into a ceramic enamel. The Cm-244 is in the form of an oxide incorporated into a ceramic matrix. The Cf-252 is form of a solid metal or a ceramic.

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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/0718/S, REVISION 5

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 October 31, 2029. 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 October 4, 2024 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

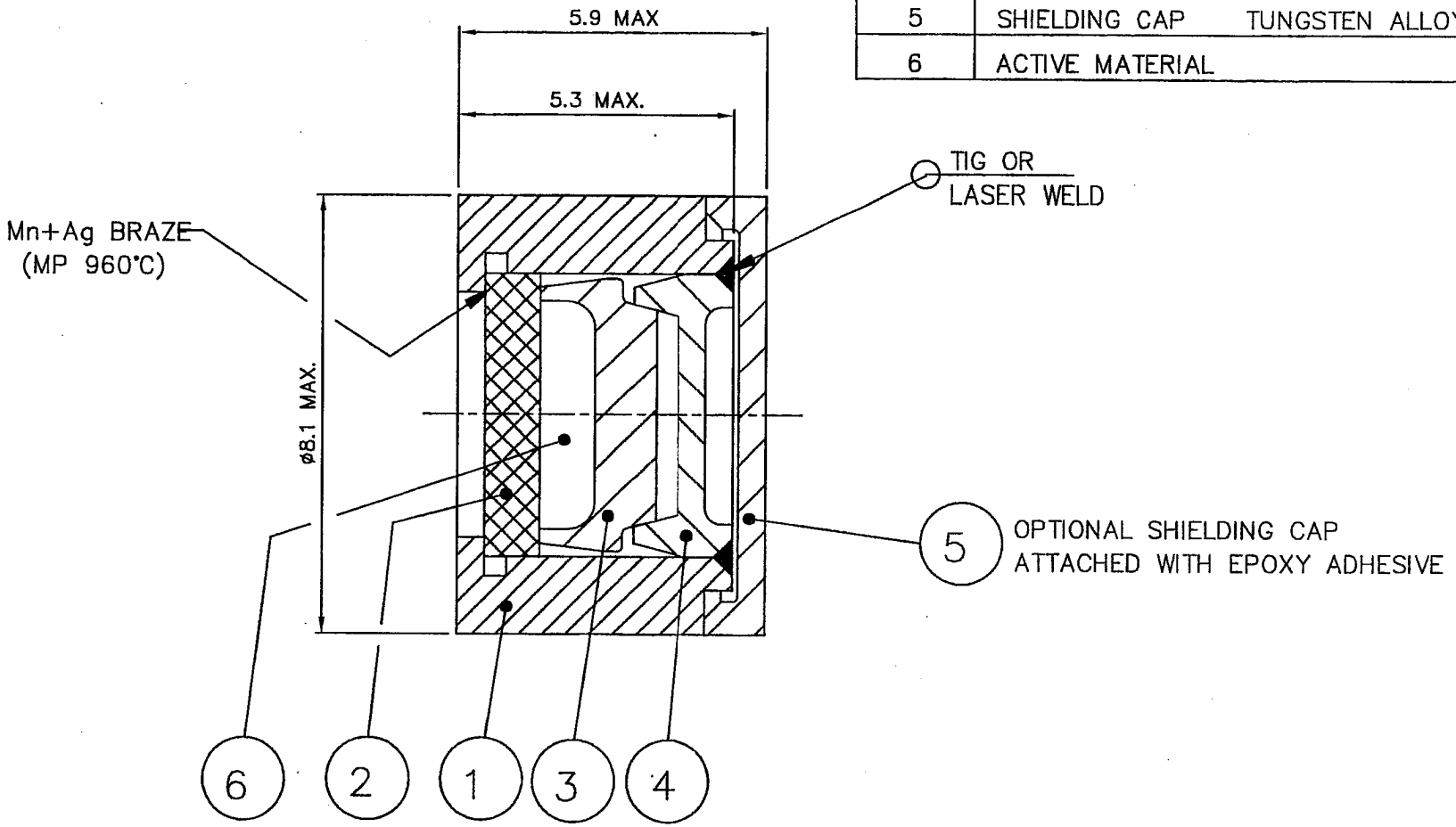
Certified By:

for William Schoonover
Associate Administrator for Hazardous Materials Safety

October 18, 2024
(DATE)

Revision 5 - Issued to extend the expiration date.

Item No	Description		No off
1	BODY	MONEL	1
2	WINDOW	BERYLLIUM	1
3	INSERT	STAIN.STL.	1
4	LID	MONEL	1
5	SHIELDING CAP	TUNGSTEN ALLOY	1
6	ACTIVE MATERIAL		A/R



APPROVALS	
	7/25/05
	25 JUL 05

DIMENSIONS IN MILLIMETERES
UNLESS OTHERWISE STATED TOLERANCES:

X ±0.5
X.X ±0.1
X.XX ±0.05
ANGULAR ±5°

INTERNAL N7
EXTERNAL N6

AEATECHNOLOGY QSA
40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

TITLE X130/7 CAPSULE ASSEMBLY

ERF #	1108

SIZE	DWG. NO.	REV
A	RBA61952	A
	SCALE: NONE SHEET 1 OF 1	

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CERTIFICATE NUMBER: USA/0718/S

ORIGINAL REGISTRANT(S):

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