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/0805/S-96, REVISION 2

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 X9103.

2. Source Description - Cylindrical single encapsulation made of 300 series stainless steel and tungsten inert gas or laser seal welded. The radioactive material may be inside an inner assembly made of vanadium, titanium, titanium alloy, or zirconium alloy. The capsule may also contain stainless steel, titanium, titanium alloy, or vanadium spacers or springs to secure the radioactive material or inner assembly within the capsule. Approximate outer dimensions are 6.86 mm (0.27 in.) in diameter and 26.92 mm (1.06 in.) in length. Construction shall be in accordance with attached QSA Global, Inc. Drawing No. R90017-1, Rev. B.

3. Radioactive Contents - No more than 7.4 TBq (200 Ci) of Selenium-75. The Se-75 is in the form of a physically inert and stable metal-selenide compound.

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, 2012 Edition, No. SSR-6" 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 June 30, 2028. Previous editions which have not reached their expiration date may continue to be used.

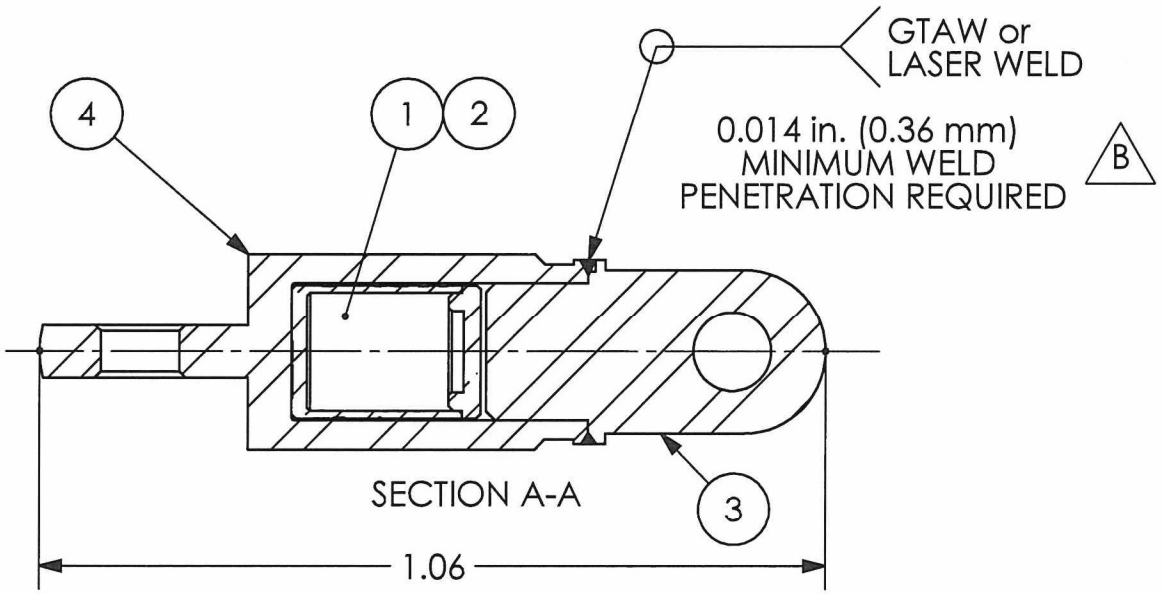
This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the June 1, 2023 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

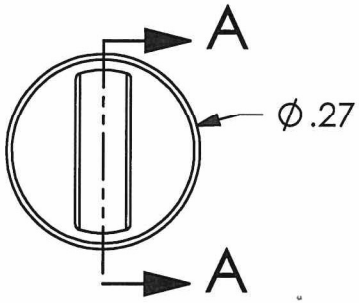
Certified By:

William Schoonover
Associate Administrator for Hazardous Materials Safety

June 21, 2023
(DATE)

Revision 2 - Issued to extend the expiration date and update Drawing No. R90017-1 to Rev. B, with a minor change correcting a metric conversion.





NOTES:

1. STAINLESS STEEL, TITANIUM, TITANIUM ALLOY, OR VANADIUM SPACERS OR SPRINGS TO SECURE AND/OR LOCATE THE ACTIVE INNER SOURCE CAPSULE OR TARGET (MADE USING VANADIUM, TITANIUM, TITANIUM ALLOY, OR ZIRCONIUM ALLOY COMPONENTS) WITHIN THE SOURCE LINK MAY BE USED.

ITEM	QTY	TITLE	MATERIAL
4	1	X9103 Se LINK BODY	STAINLESS STEEL
3	1	X9103 Se LINK SHANK	STAINLESS STEEL
2	1	ACTIVE CAPSULE / TARGET	--
1	1	INNER CAPSULE ASSEMBLY (OPTIONAL)	--

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE INCHES, TOLERANCE ±1/16

QSA GLOBAL
40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

ERF #	APPROVALS	DATE
4539		5-16-23

E-SIGNED by Lori Podolak on 2023-06-01 11:28:15 GMT

TITLE: X9103

SIZE	DWG. NO.	REV
A	R90017-1	B
	SCALE: NONE	SHEET 1 OF 1

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1200 New Jersey Ave, SE
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CERTIFICATE NUMBER: USA/0805/S-96

ORIGINAL REGISTRANT(S):

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