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/0684/S-96, REVISION 3

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 X2087 (Manufactured on or after November 10, 1986).

2. Source Description - Annular cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate exterior dimensions are 35.6 mm (1.4 in.) in diameter and 13.0 mm (0.51 in.) in length. Minimum wall thickness of the outer encapsulation is 0.48 mm (0.019 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61772, Rev. A.

3. Radioactive Contents - No more than 40.0 GBq (1.08 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with a beryllium powder that is then pressed into a pellet.

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.

CERTIFICATE USA/0684/S-96, REVISION 3

5. Expiration Date - This certificate expires on February 28, 2024. 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 January 28, 2019 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

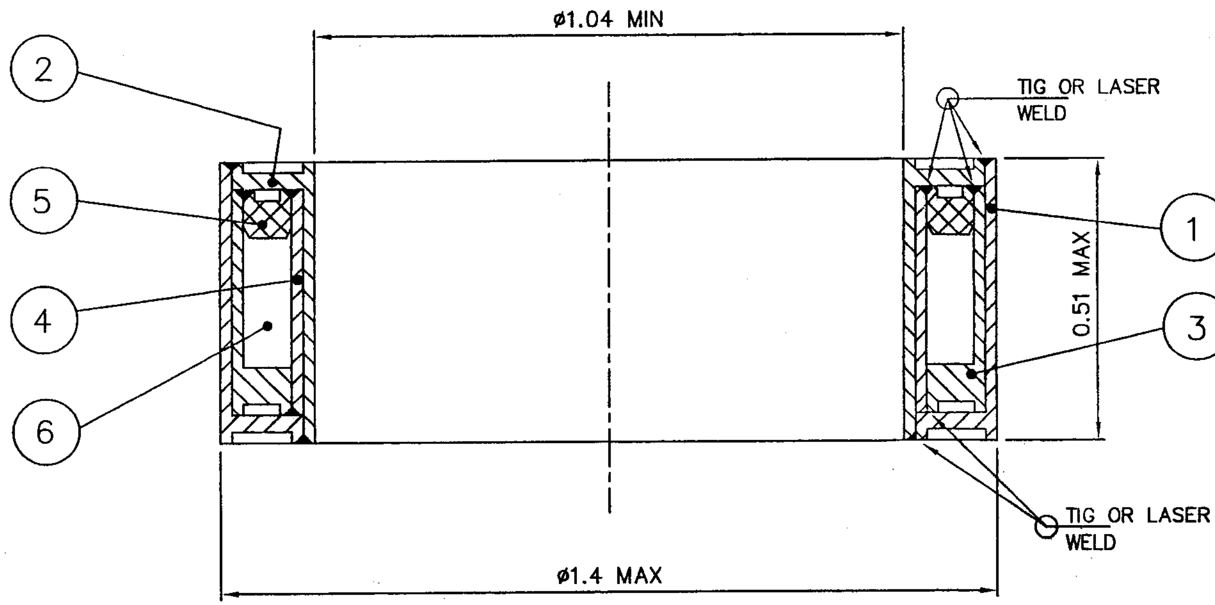
Certified By:

William Schoonover
Associate Administrator for Hazardous Materials Safety

February 05, 2019
(DATE)

Revision 3 - Issued to extend the expiration date.

Item No	Description		No off
1	OUTER SHEATH	STAIN.STL.	1
2	INNER SHEATH	STAIN.STL.	1
3	CELL BODY	STAIN.STL.	1
4	CELL INNER	STAIN.STL.	1
5	CELL END RING	STAIN.STL.	1
6	ACTIVE MATERIAL		A/R



ERF #	891

APPROVALS

R. [signature]	7 Sep 04
[signature]	7 Sep 04

DIMENSIONS IN INCHES
UNLESS OTHERWISE STATED TOLERANCES:

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

INTERNAL N7
EXTERNAL N6

AEA TECHNOLOGY QSA
40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING

TITLE X2087 CAPSULE ASSEMBLY

SIZE A | DWG. NO. RBA61772 | REV A

SCALE: NONE | SHEET 1 OF 1

U.S. Department of
Transportation

**Pipeline and
Hazardous Materials
Safety Administration**

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

CERTIFICATE NUMBER: USA/0684/S-96

ORIGINAL REGISTRANT(S):

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

Schlumberger
300 Schlumberger Drive
MD-121
Sugar Land, TX, 77478
USA