



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/0688/S-96, REVISION 3

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 X.92 and X.92/2 (Both models manufactured on or after January 19, 1981).
2. Source Description - Cylindrical single encapsulations made of stainless steel and tungsten inert gas or laser seal welded. The Model X.92 incorporates a copper gasket, a stainless steel insert, and a stainless steel spring. The Model X.92/2 incorporates a gold disc and a stainless steel insert. Approximate exterior dimensions of both models are 15.1 mm (0.59 in.) in diameter and 6.6 mm (0.24 in.) in length. Minimum wall thickness of both models is 0.2 mm (0.008 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA11061, Rev. B.
3. Radioactive Contents - No more than 25.0 GBq (675.0 mCi) of Americium-241. The Am-241 is 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.

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 March 31, 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 March 1, 2019 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

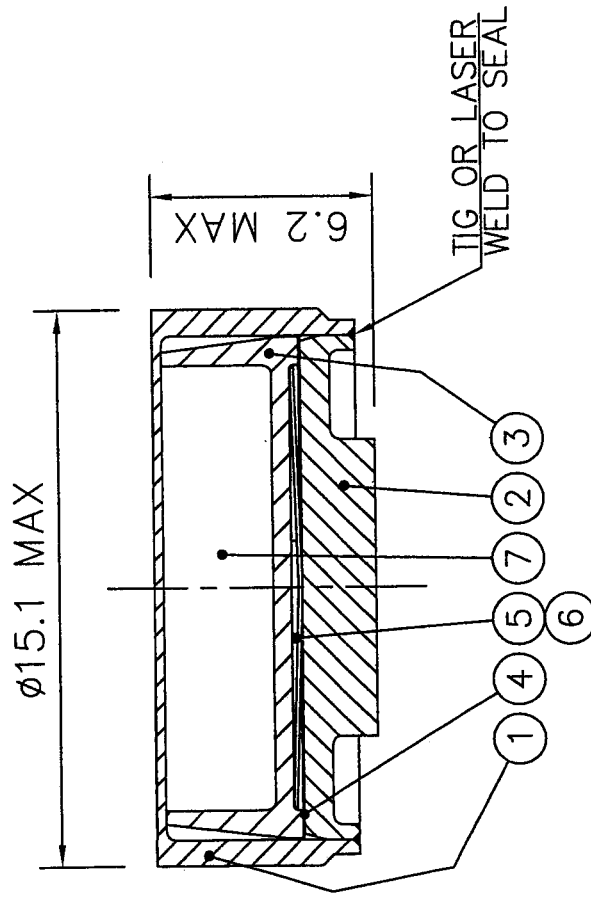


March 04, 2019
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 3 - Issued to extend the expiration date.

| ITEM No. | DESCRIPTION | QTY. |
|----------|------------------------|------|
| 1 | BODY | 1 |
| 2 | LID | 1 |
| 3 | INSERT | 1 |
| 4 | GASKET (X92 ONLY) | 1 |
| 5 | SPRING (X92 ONLY) | 1 |
| 6 | GOLD DISC (X92/2 ONLY) | 1 |
| 7 | ACTIVE MATERIAL | AR |



40 NORTH AVE, BURLINGTON, MA 01803

| APPROVALS | |
|--------------------|-----------|
| <i>R. J. Moran</i> | 21 SEP 07 |
| <i>A. P. DeLo</i> | 21 SEP 07 |

DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE STATED TOLERANCES:

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

INTERNAL M
EXTERNAL N

DESCRIPTIVE
DRAWING

TITLE X92 & X92/2 CAPSULE ASSY

| | | | |
|------|----------|--------|--------------|
| SIZE | DWG. NO. | SCALE: | SHEET 1 OF 1 |
| A | RBA11061 | NONE | |

ERF # 895

REV B



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ORIGINAL REGISTRANT(S) :

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