



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0738/S-96, REVISION 2**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

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 X1213 (Manufactured on or after December 12, 1988).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 3.4 mm (0.13 in.) in diameter and 30.5 mm (1.2 in.) in length. Minimum wall thickness is 0.5 mm (0.02 in.). Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RBA62044, Rev. A.
3. Radioactive Contents - No more than 7.5 GBq (202.7 mCi) of Americium-241. The Am-241 is in the form of an oxide or an oxide incorporated into a ceramic matrix.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on January 31, 2021.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," 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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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the January 12, 2016 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

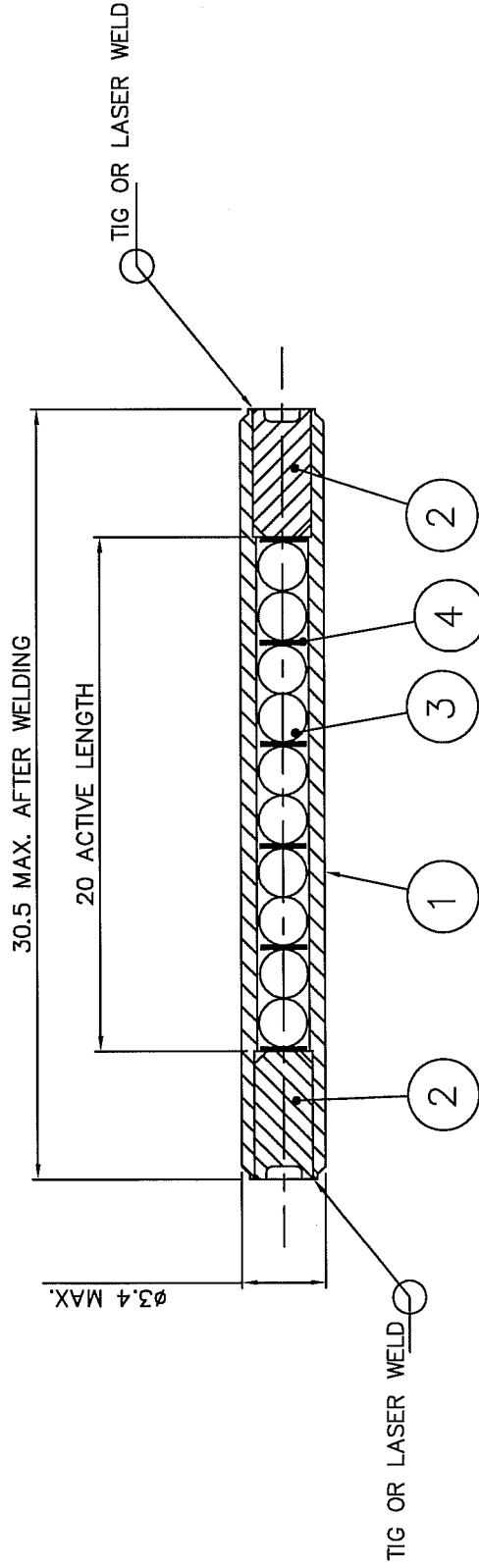


Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Jan 27 2016
(DATE)

Revision 2 - Issued to extend the expiration date.

ITEM	DESCRIPTION	MATERIAL	Qty.
1	BODY	STAIN. STL.	1
2	LID	STAIN. STL.	2
3	ACTIVE MATL.	GLASS	AR
4	CERAMIC FIBER PACKING	CERAMIC	AR



NOTES:

1) DIMENSIONS ARE IN MILLIMETERS.

2) BEADS ARE TO BE DISTRIBUTED THROUGHOUT THE LENGTH OF THE SOURCE. CERAMIC FIBER IS TO BE PLACED AT EITHER END AND BETWEEN THE BEADS AS NECESSARY TO ENSURE THE BEADS ARE PACKED TIGHTLY TO PREVENT MOVEMENT.

APPROVALS	DATE
<i>D. P. [Signature]</i>	18 Apr '06
<i>[Signature]</i>	18 Apr '06

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES
TOLERANCES:
FRACTIONS ± 1/8
X.X ± 0.12
X.XX ± 0.06
X.XXX ± 0.020



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE
DRAWING

TITLE ASSEMBLY OF CAPSULE X1213

SIZE	DWG. NO.	REV
A	RBA62044	A
SCALE:	NTS	SHEET 1 OF 1

ERF # 1333



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CERTIFICATE NUMBER: USA/0738/S-96, Revision 2

ORIGINAL REGISTRANT(S):

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