



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0692/S-96, REVISION 1**

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

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 X2162/1 through X2162/7 (All models manufactured on or after November 23, 1994).
2. Source Description - Cylindrical double encapsulations made of stainless steel and seal welded. Approximate exterior dimensions are 6.3 mm (0.25 in.) in diameter and 24.0 mm (0.94 in.) in length. Minimum wall thickness of the outer encapsulation is 0.48 mm (0.02 in.). Cavity size of the inner encapsulations vary by model. Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA62556, Rev. A.
3. Radioactive Contents - No more than 7.5 TBq (202.7 Ci) of Cobalt-60. The Co-60 is in the form of a metallic solid.
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 November 30, 2014.

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 November 03, 2009 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



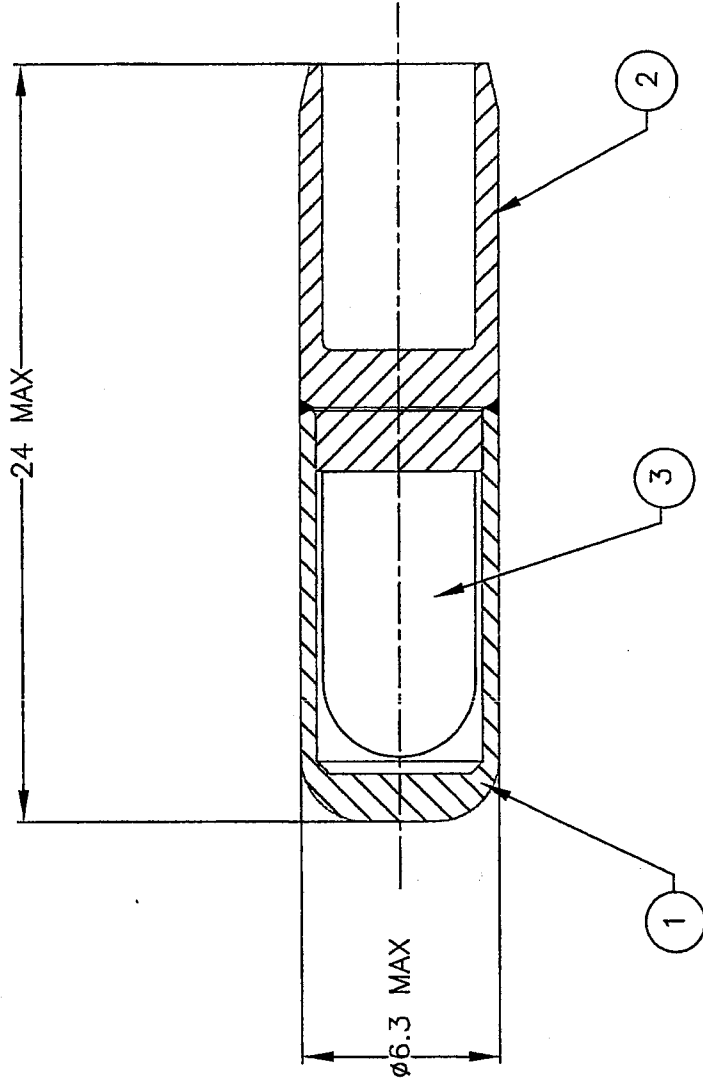
Nov 06 2009

(DATE)

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Dr. Magdy El-Sibaie

Acting Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to extend the expiration date and to update corporate name.



NOTE: INNER CAPSULE INTERNAL DIMENSIONS ARE VARIABLE TO PRODUCE THE x2162/n DESIGNATIONS. OUTER DIMENSIONS OF ALL INNER CAPSULES VARIATIONS ARE 5mm DIAMETER BY 9.5mm LONG.

3	INNER CAPSULE ASSY	TITANIUM
2	SHEATH LID	STAIN. STEEL
1	SHEATH BODY	STAIN. STEEL
ITEM #	DESCRIPTION	MATERIAL



APPROVALS	DATE
<i>R. J. Moran</i>	22 Nov 04
<i>D. P. ...</i>	22 Nov 04

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN MILLIMETERS

DESCRIPTIVE DRAWING	
TITLE	X2162/1 THRU 7 CAPSULE
SIZE	DWG. NO. RBA62556
A	SCALE: - SHEET 1 OF 1

REV	A
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ERF #	937
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CERTIFICATE NUMBER: USA/0692/S-96, Revision 1

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