



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/0692/S-96, REVISION 4

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. 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.
5. Expiration Date - This certificate expires on February 28, 2029. Previous editions which have not reached their expiration date may continue to be used.

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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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 February 1, 2024 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

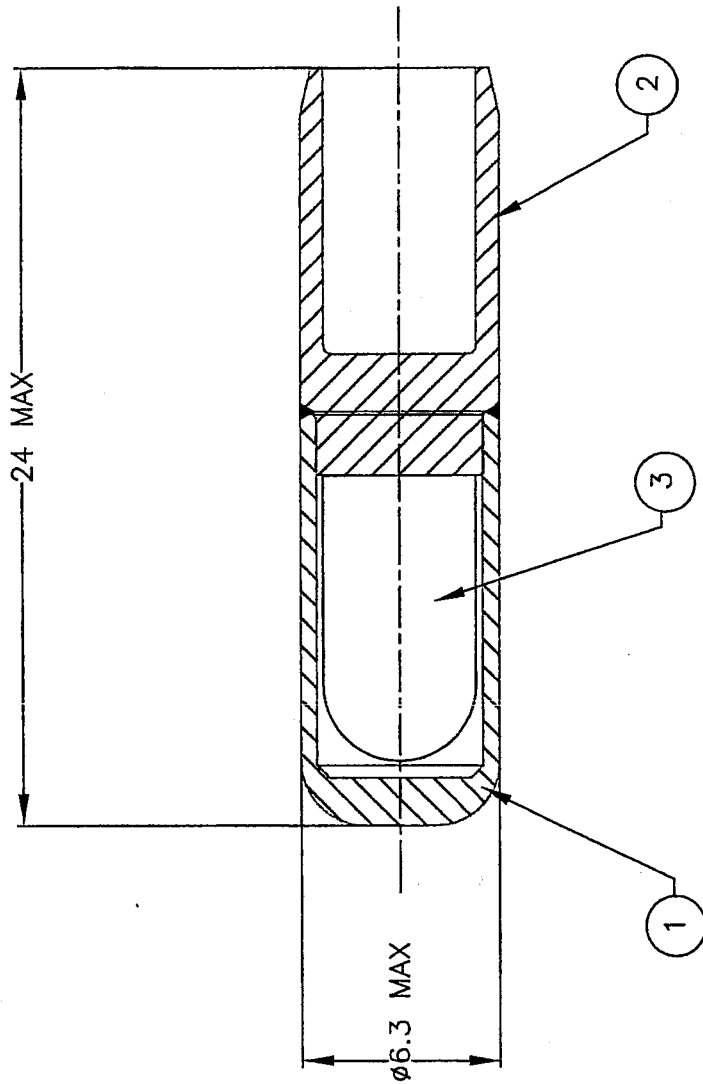
Certified By:



 William Schoonover
Associate Administrator for Hazardous
Materials Safety

February 28, 2024
(DATE)

Revision 4 - Issued to extend the expiration date.



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

AEATECHNOLOGY
QSA

40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE
DRAWING**

APPROVALS	DATE
<i>R. J. Munn</i>	22 Nov 04
<i>B. P. Chell</i>	22 Nov 04

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

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN MILLIMETERS

ERF #	937
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ORIGINAL REGISTRANT(S) :

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