



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0603/S, REVISION 6

East Building, PHH-23
1200 New Jersey Ave, SE
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 X.2163 source capsule.
2. Source Description - The X.2163 source capsule is a cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. The source measures approximately 12.0 mm (0.47 in.) in length and 6.3 mm (0.25 in.) in diameter. The minimum wall thickness on the outer encapsulation is 0.254 mm (0.01 in.) and 0.25 mm (0.0098 in.) on the inner shell. Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA62558, Rev. A.
3. Radioactive Contents - No more than 7.5 TBq (202.7 Ci) of Cobalt-60 in solid metal form.
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, 2018 Edition, No. SSR-6 (Rev. 1)" 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 September 30, 2030. 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 August 27, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



William Quade
Acting Associate Administrator for
Hazardous Materials Safety

September 23,
2025

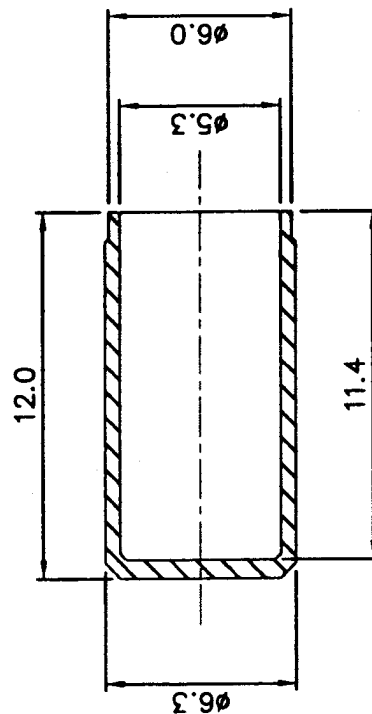
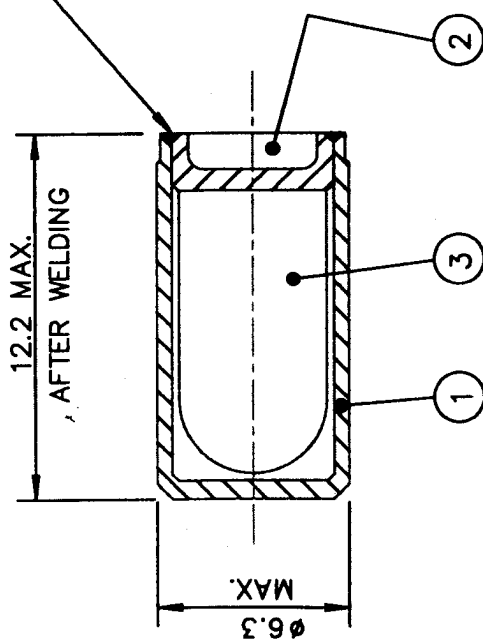
(DATE)

Revision 6 - Issued to endorse to 2018 edition of the IAEA Regulations for the Safe Transport of Radioactive Material, SSR-6 (Rev. 1) and to extend the expiration date.

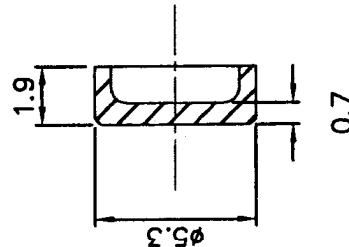
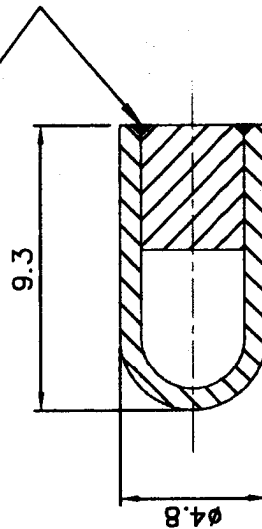
ITEM No.	DESCRIPTION	QTY.
1	CAPSULE BODY STAIN.STL	1
2	CAPSULE LID STAIN.STL	1
3	INNER CELL BODY STAIN.STL	1

12.2 MAX.
AFTER WELDING

TIG OR LASER
WELD TO SEAL



TIG OR LASER
WELD TO SEAL



ITEM 1

ITEM 2

ITEM 3

NOTE:
INTERNAL CONFIGURATION OF INNER
PLUG/WALL CAN CHANGE BUT A MINIMUM
WALL THICKNESS OF 0.25mm WILL BE
MAINTAINED.

APPROVALS	12 FEB 03	12 FEB 03
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE STATED TOLERANCES:

X ±0.5
XX ±0.3
XXX ±0.05
ANGULAR ±5°

INTERNAL
EXTERNAL

✓
✓



40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE
DRAWING

TITLE

X2163 CAPSULE ASSEMBLY

SIZE

A

DWG. NO. RBA62558

REV

A

ERF #

463

SCALE: NONE

SHEET 1 OF 1



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Transportation

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Safety Administration**

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

CERTIFICATE NUMBER: USA/0603/S-96

ORIGINAL REGISTRANT(S) :

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