



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/0704/S-96, REVISION 4

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 XN162/3 (Manufactured on or after September 27, 1996).
2. Source Description - Cylindrical double encapsulation with rectangular end piece extension made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions of the cylindrical portion are 16.7 mm (0.66 in.) in diameter and 12.8 mm (0.5 in.) in length. Approximate outer dimensions of the rectangular end piece extension are 38.0 mm (1.5 in.) in height, 19.0 mm (0.75 in.) in width, and 3.2 mm (0.13 in.) in depth. Minimum wall thickness of the outer encapsulation is 0.04 mm (0.002 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing Number RBA62802, Rev. B.
3. Radioactive Contents - No more than 37.0 GBq (1.0 Ci) of Strontium-90. The Sr-90 is in the form of 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 April 30, 2029. 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 4, 2024 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

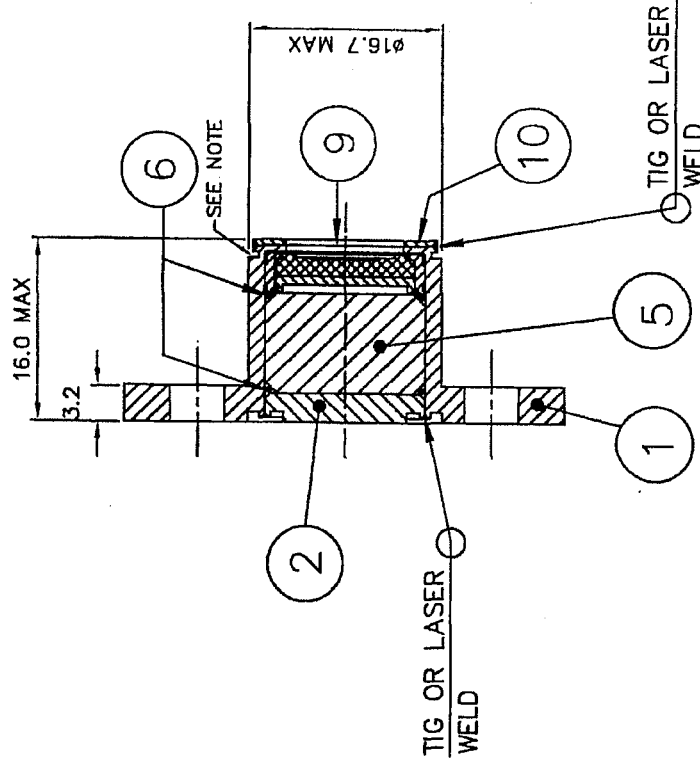
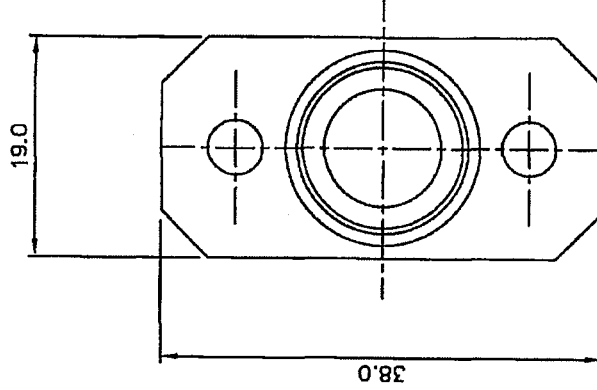
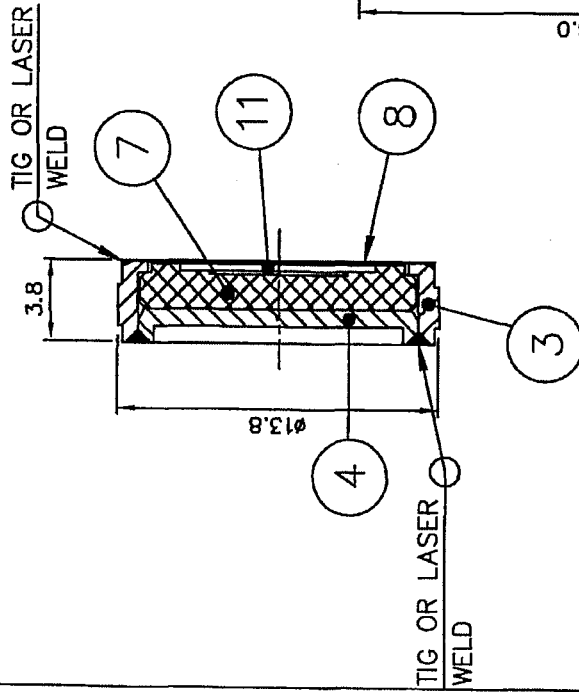


April 30, 2024
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 4 - Issued to extend the expiration date.

ENLARGED CELL DETAIL
SCALE 2/1



ITEM	DESCRIPTION	QTY
1	SHEATH BODY	1
2	SHEATH LID	1
3	CELL BODY	1
4	CELL LID	1
5	PLUG	1
6	PACKING RING	1
7	CELL INSERT	1
8	CELL WINDOW	1
9	SHEATH WINDOW	1
10	RETAINING RING	1
11	ACTIVE MATERIAL	A/R

APPROVALS	
<i>[Signature]</i>	<i>[Signature]</i>
<i>[Signature]</i>	<i>[Signature]</i>

DIMENSIONS IN MILLIMETRES
UNLESS OTHERWISE STATED TOLERANCES:

± .05	INTERNAL	NG
± .1	EXTERNAL	NG
± .05	ANGULAR	± 5°

AEATECHNOLOGY
CORP.

40 NORTH AVE., BURLINGTON, MA 01803

DESCRIPTIVE
DRAWING

TITLE XN162/3 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA62802	B
SCALE:	NONE	SHEET 1 OF 1

NOTE: RECESS NOT PRESENT ON ALL CAPSULES

ERF # 1008



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CERTIFICATE NUMBER: USA/0704/S-96

ORIGINAL REGISTRANT(S) :

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