



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/0705/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 XN28 (Manufactured on or after September 21, 1996).
2. Source Description - Rectangular double encapsulation with a cylindrical extension made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 22.3 mm (0.88 in.) in height, 25.4 mm (1.0 in.) in width, and 10.2 mm (0.4 in.) in overall 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 RBA10236, Rev. B.
3. Radioactive Contents - No more than 18.5 GBq (0.5 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:



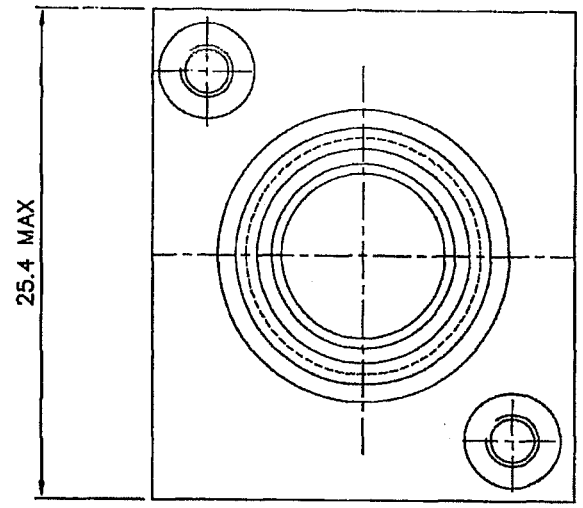
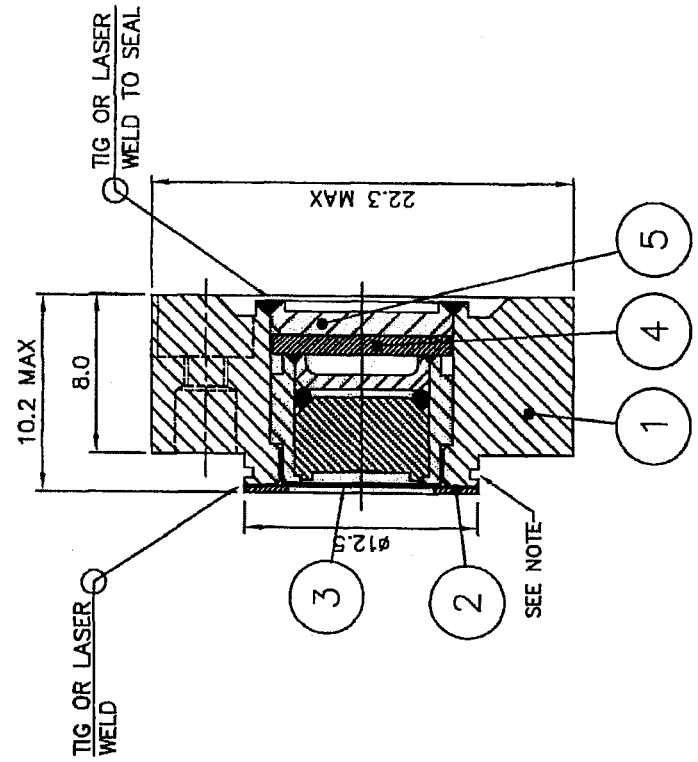
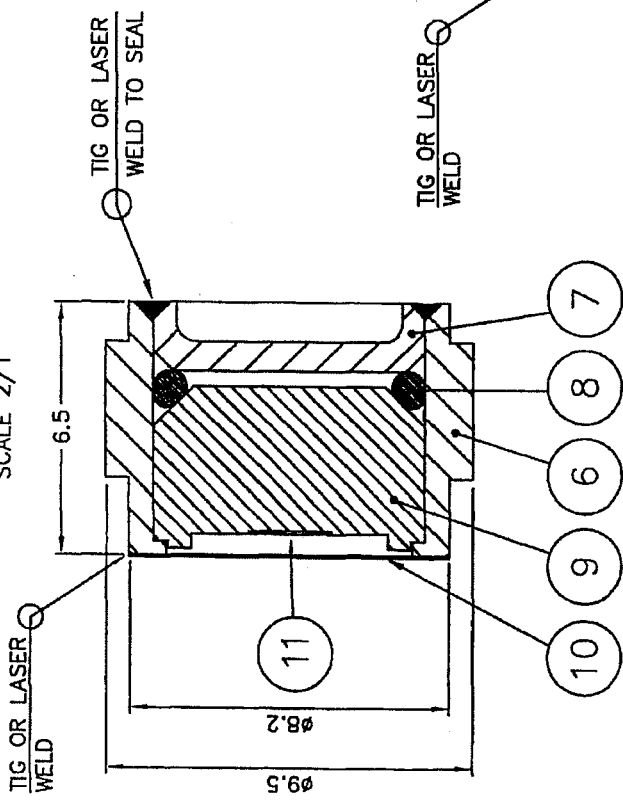
 William Schoonover
Associate Administrator for Hazardous
Materials Safety

April 30, 2024
(DATE)

Revision 4 - Issued to extend the expiration date.

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

ENLARGED CELL DETAIL
SCALE 2/1



		DESCRIPTIVE DRAWING	
APPROVALS <i>[Signature]</i> 3/2/05 <i>[Signature]</i> 7 Mar 05		TITLE XN28 CAPSULE ASSEMBLY	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES: X ± 0.5 XX ± 0.1 XXX ± 0.05 ANGULAR $\pm 5^\circ$		SIZE A DWG. NO. RBA10236 SCALE: NONE	
NOTE: RECESS NOT PRESENT ON ALL CAPSULES		SHEET 1 OF 1 REV B	

ERF # 1008



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CERTIFICATE NUMBER: USA/0705/S-96

ORIGINAL REGISTRANT(S) :

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