



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/0663/S, REVISION 7**

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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X.1186 (Manufactured on or after November 20, 1990).
2. Source Description - Cylindrical single encapsulation made of Monel K500 with a stainless steel insert and tungsten inert gas or laser seal welded. Approximate outer dimensions are 8.0 mm (0.315 in.) in diameter and 8.0 mm (0.315 in.) in length. Minimum wall thickness is 0.56 mm (0.022 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61853, Rev. A.
3. Radioactive Contents - No more than 80.0 GBq (2.16 Ci) of Cesium-137. The Cs-137 is in the form of a cesium silicate in a glass matrix or a sulfate as ceramic ion exchange pellets.
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.

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<sup>1</sup> "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.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

**CERTIFICATE USA/0663/S, REVISION 7**

5. Expiration Date - This certificate expires on December 31, 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 December 3, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



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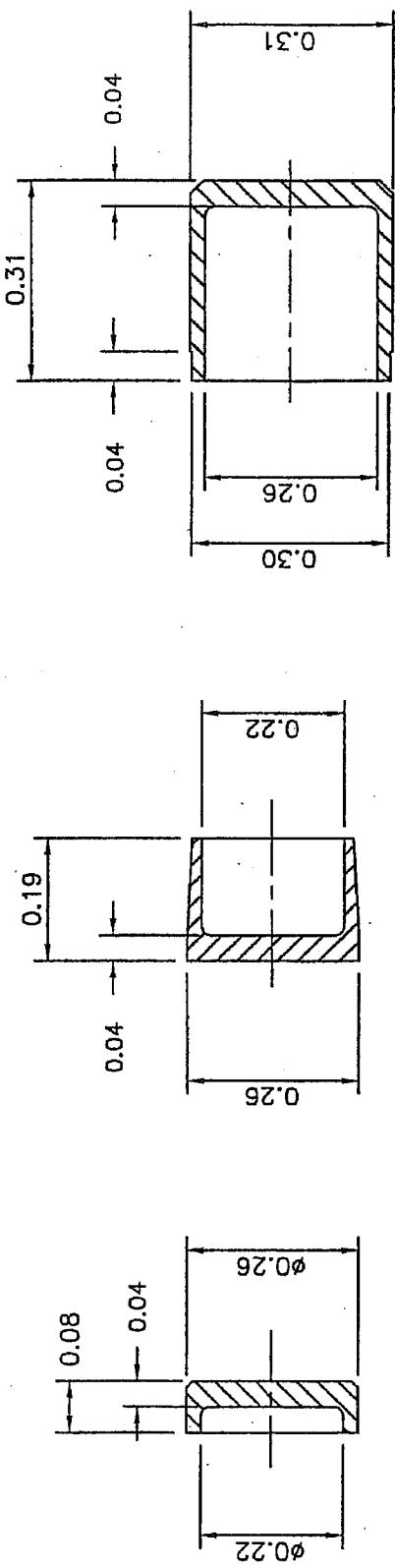
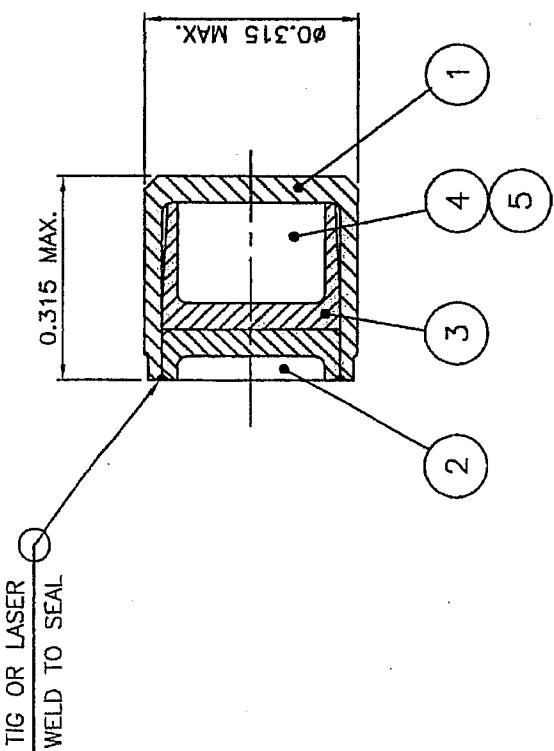
William Quade  
Acting Associate Administrator for  
Hazardous Materials Safety

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December 30, 2025  
(DATE)

Revision 7 - 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	SHEATH BODY MONEL K500	1
2	SHEATH LD MONEL K500	1
3	SHEATH INSERT STAIN.STL.	1
4	ACTIVE MATERIAL	AR
5	CERAMIC FIBER (OPTIONAL)	AR



ITEM 1

ITEM 3

ITEM 2

APPROVALS		AEAT TECHNOLOGY		DESCRIPTIVE DRAWING	
<i>R. R. Johnson</i>	1/16/93	<i>R. R. Johnson</i>	1/16/93	40 NORTH AVE, BURLINGTON, MA 01803	OSA
TITLE X1186 CAPSULE ASSEMBLY				REV A	
DIMENSIONS IN INCHES UNLESS OTHERWISE STATED TOLERANCES:					
X $\pm 0.5$	INTERNAL $\nabla$	X $\pm 0.1$	EXTERNAL $\nabla$	ANGULAR $\pm 5^\circ$	
X $\pm 0.05$		X $\pm 0.05$			
ERF # 719	DWG. NO. RBA61853	SIZE A	SCALE: NONE	SHEET 1 OF 1	REV A



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**CERTIFICATE NUMBER:** USA/0663/S-96

**ORIGINAL REGISTRANT(S) :**

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

Schlumberger  
300 Schlumberger Drive  
MD-225  
Sugar Land, TX, 77478  
USA