



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/0612/S, REVISION 7

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. Model Numbers X.1301 and X.1302.
2. Source Description - Both models are single encapsulations made of Armco 17-4 PH stainless steel, with stainless steel inserts. Minimum wall thickness in each case is 0.60 mm (0.02 in.). Welds are by tungsten inert gas or laser method. Approximate outer dimensions of Model X.1301 are 8.5 mm (0.33 in.) in diameter and 14.5 mm (0.57 in.) in length. Approximate outer dimensions of Model X.1302 are 7.94 mm (0.31 in.) in diameter and 10.65 mm (0.42 in.) in length. Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawings RBA63205, Rev. B and RBA61678, Rev. B for Model X.1301, and Drawings RBA63206, Rev. B and RBA61721, Rev. B for Model X.1302.
3. Radioactive Contents - No more than 130 GBq (3.5 Ci) of Cesium-137 for Model X.1301, and no more than 93 GBq (2.5 Ci) of Cesium-137 for Model X.1302. The Cesium-137 is in solid form, bonded in a borosilicate glass polymer.

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.

CERTIFICATE USA/0612/S, REVISION 7

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 January 31, 2031. 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 12, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



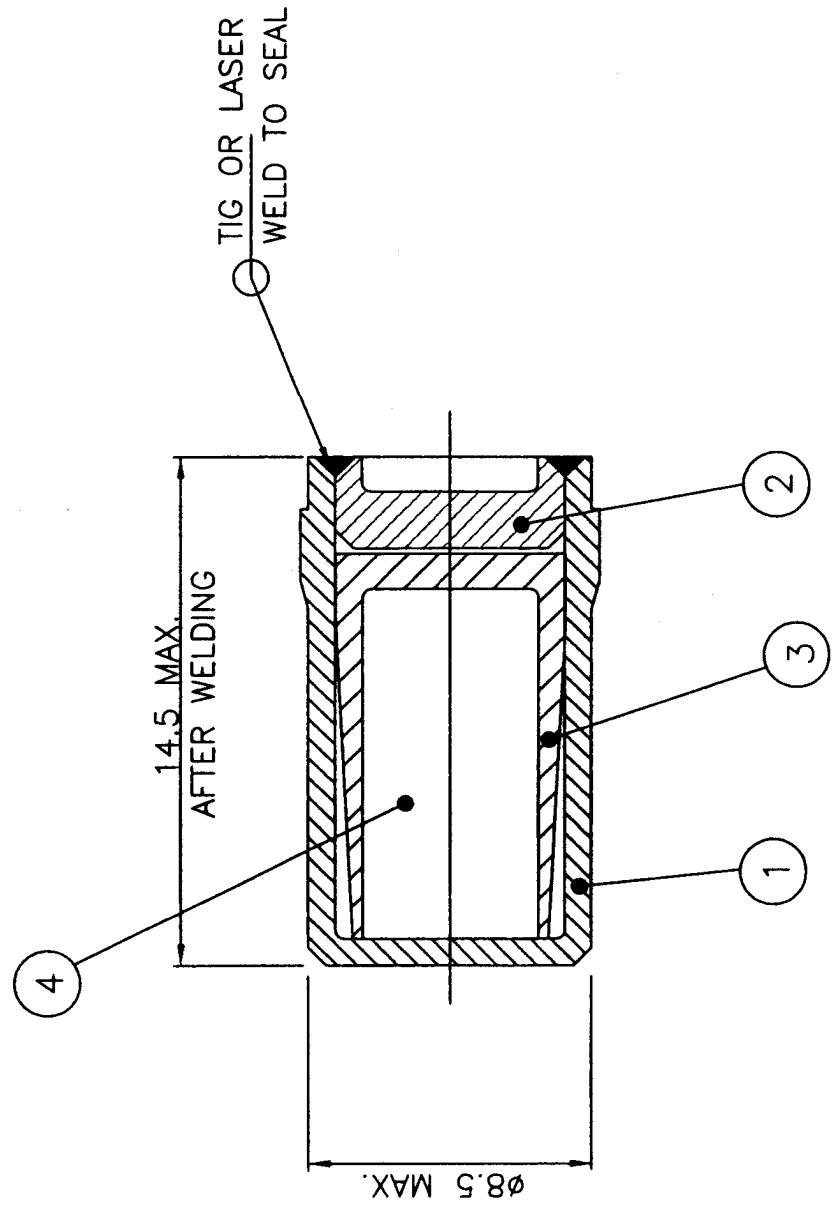
William Quade
Acting Associate Administrator for
Hazardous Materials Safety

January 16, 2026

(DATE)

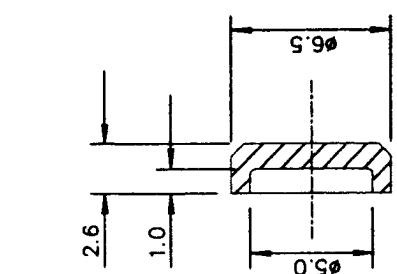
Revision 7 - Issued to endorse to 2018 edition of the IAEA Regulations for the Safe Transport of Radioactive Material, SSR-6 (Rev. 1) and to extend the expiration date.

Item	Description	Material	QTY
1	BODY	STAINLESS STEEL	1
2	LID	STAINLESS STEEL	1
3	INSERT	STAINLESS STEEL	1
4	ACTIVE MATERIAL		A/R

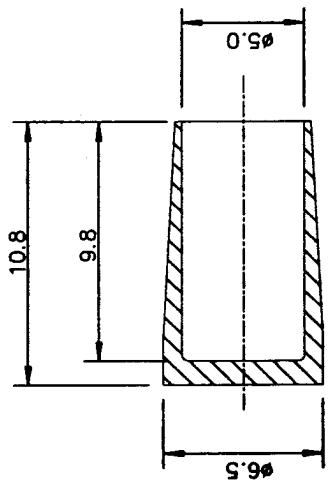


APPROVALS		DESCRIPTIVE DRAWING	
	12-15-2003		40 NORTH AVE, BURLINGTON, MA 01803
	12 Feb 03	QSA	
		TITLE X1301 CAPSULE ASSEMBLY	
		SIZE A	DWG. NO. RBA63205
ERF	4.43	SCALE: N/A	SHEET 1 OF 1
		REV B	

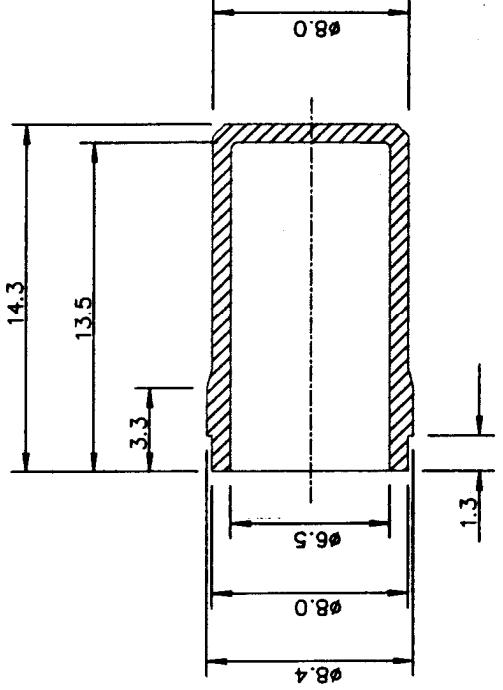
DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE STATED TOLERANCES:
 ± 0.5
 ± 0.1
 ± 0.05
 $\pm 5'$
 ANGULAR



ITEM.1 LID



ITEM.2 INSERT



ITEM.3 BODY

NOTES:
 1. MATERIAL: ITEM 1 = 17-4 PH
 ITEM 2 = 316L STAINLESS STEEL
 ITEM 3 = 17-4 PH

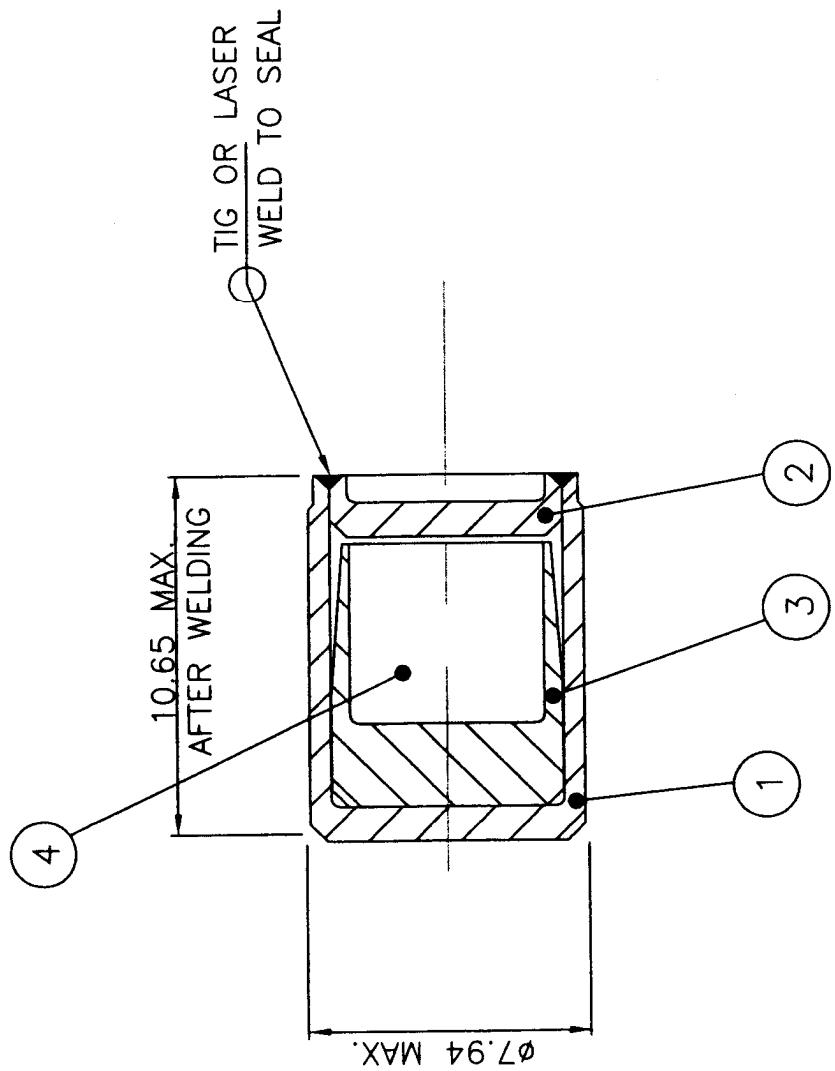
DESCRIPTIVE DRAWING
AEATECHNOLOGY
 QSA
 40 NORTH AVE, BURLINGTON, MA 01803

DESCRIPTIVE DRAWING
AEATECHNOLOGY
 QSA
 40 NORTH AVE, BURLINGTON, MA 01803

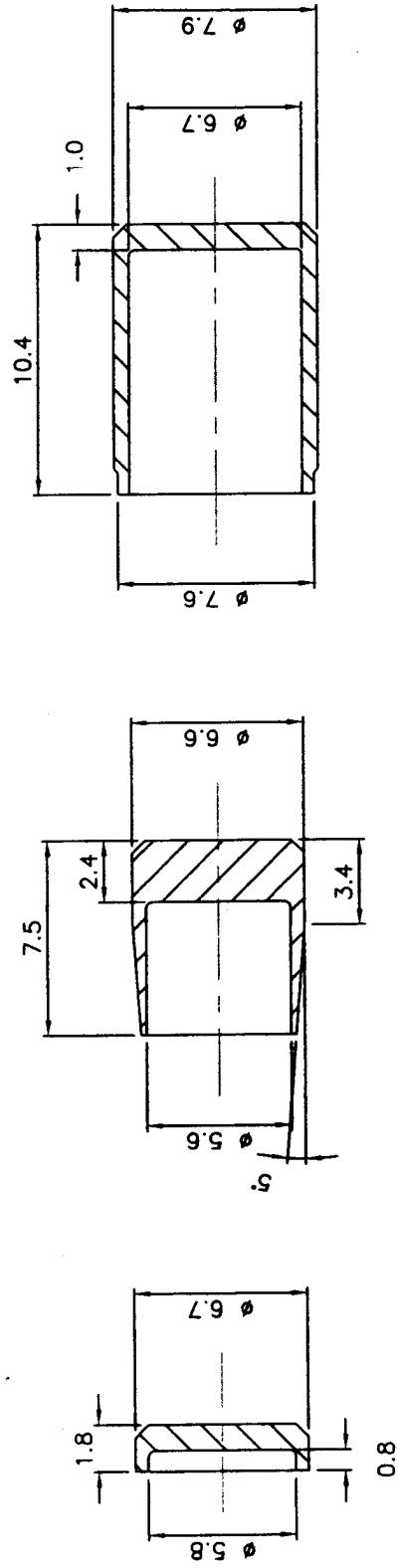
CAPSULE DETAILS				REV B
SIZE	DWG. NO.	RBA61678	SHEET 1 OF 1	
A	SCALE:	N/A	N/A	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES:				
X	± 0.5	INTERNAL N/A		
X	± 0.1			
X.X	± 0.05	EXTERNAL N/A		
X.XX	± 0.05			
ANGULAR	$\pm 5^\circ$			

ERF # 443

Item	Description	Material	QTY
1	BODY	STAINLESS STEEL	1
2	LID	STAINLESS STEEL	1
3	INSERT	STAINLESS STEEL	1
4	ACTIVE MATERIAL	A/R	



APPROVALS		DESCRIPTIVE DRAWING	
<i>T. S. S.</i>	1/2 PAGES	AEATechnology	QSA
<i>T. S. S.</i>	1/2 PAGES	40 NORTH AVE, BURLINGTON, MA 01803	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES:		TITLE X1302 CAPSULE ASSEMBLY	
X ± 0.5	INTERNAL NB	SIZE DWG. NO.	REV B
XX ± 0.1	EXTERNAL NG	RBA63206	
XXX ± 0.05		SCALE: N/A	SHEET 1 OF 1
ANGULAR $\pm 5'$			
ERF	443		



ITEM.1 LID

ITEM.2 INSERT

ITEM.3 BODY

NOTES:
 1. MATERIAL: ITEM 1 = 17-4 PH
 ITEM 2 = 316L STAINLESS STEEL
 ITEM 3 = 17-4 PH

APPROVALS		DESCRIPTIVE DRAWING																	
 12/18/03  1/2 Feb 03		AEA TECHNOLOGY OVA 40 NORTH AVE, BURLINGTON, MA 01803																	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES: <table border="1"> <tr> <td>X</td> <td>±0.5</td> <td>INTERNAL</td> <td>NY</td> </tr> <tr> <td>XX</td> <td>±0.1</td> <td>INTERNAL</td> <td>NY</td> </tr> <tr> <td>XXX</td> <td>±0.05</td> <td>EXTERNAL</td> <td>NY</td> </tr> <tr> <td>ANGULAR</td> <td>±5°</td> <td colspan="2"></td> </tr> </table>				X	±0.5	INTERNAL	NY	XX	±0.1	INTERNAL	NY	XXX	±0.05	EXTERNAL	NY	ANGULAR	±5°		
X	±0.5	INTERNAL	NY																
XX	±0.1	INTERNAL	NY																
XXX	±0.05	EXTERNAL	NY																
ANGULAR	±5°																		
TITLE		X1302 CAPSULE DETAIL																	
SIZE	DWG. NO.	RBA61721																	
A	SCALE:	N/A	SHEET 1 OF 1																
		REV B																	
ERF	443																		



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Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0612/S-96

ORIGINAL REGISTRANT(S) :

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