



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/0774/S-96, REVISION 2

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 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. Models X9084/1 and X9084/2.
2. Source Description - Cylindrical triple or quadruple encapsulations with the outer encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 16.0 mm (0.63 in.) in diameter and 23.6 mm (0.93 in.) in length. Construction shall be in accordance with attached QSA Global, Inc. Drawing No. RB00250, Rev. C.
3. Radioactive Contents - No more than 462.5 GBq (12.5 Ci) of Cesium-137. The Cs-137 is a solid in a silicate glass matrix, sulfate pellet, compressed anhydrous chloride pellet, or aluminosilicate ceramic pellet.
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 March 31, 2024. Previous editions which have not reached their expiration date may continue to be used.

---

<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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/0774/S-96, REVISION 2**


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 1, 2019 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

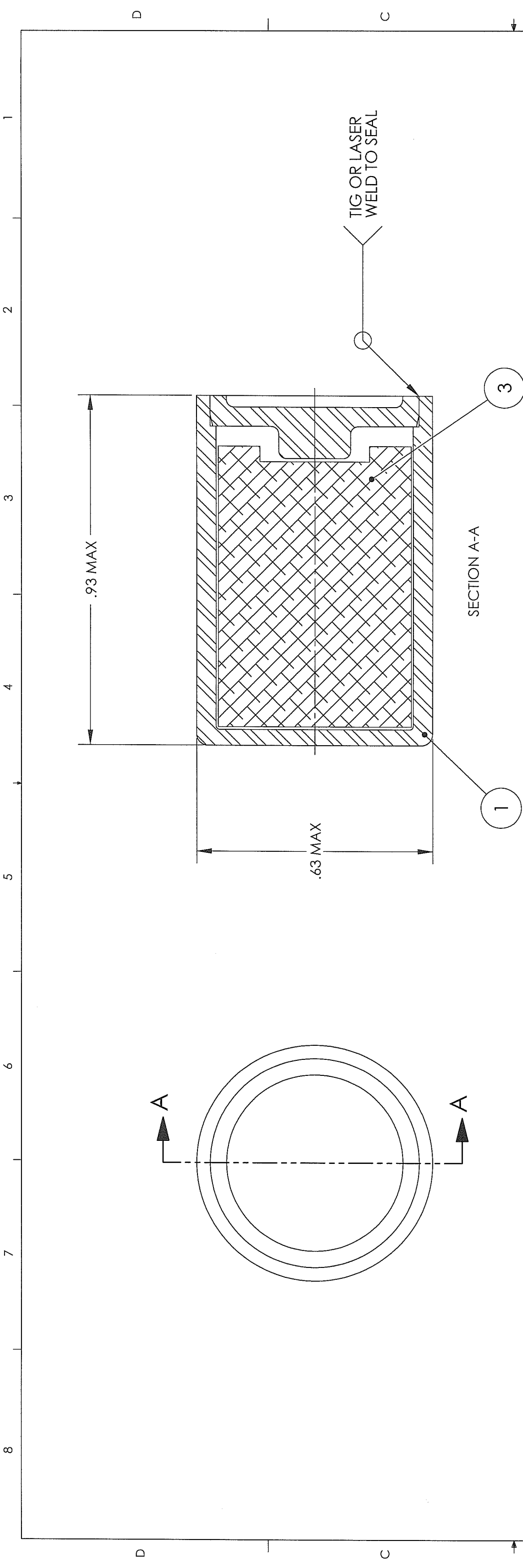


March 04, 2019

(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 2 - Issued to extend the expiration date.



**TABLE 1 - CAPSULE CONFIGURATIONS/MATERIALS**

FINAL CAPSULE CONFIGURATION	CAPSULE(S) MATERIAL
X9084/1 VERSION 1 - QUADRUPLE ENCAPSULATION	304L SS (OUTER) 316L SS 316L SS 316L SS (W/SS SPACER)
X9084/1 VERSION 2 - TRIPLE ENCAPSULATION	304L SS (OUTER) 316L SS 316L SS
X9084/1 VERSION 3 - QUADRUPLE ENCAPSULATION	304L SS (OUTER) 316L SS 316L SS 316L SS
X9084/1 VERSION 4 - TRIPLE ENCAPSULATION	304L SS (OUTER) 316L SS 316L SS
X9084/1 VERSION 5 - TRIPLE ENCAPSULATION	304L SS (OUTER) 316L SS (W/OPTIONAL SS SPACER) MP35N
X9084/2 VERSION 1 - TRIPLE ENCAPSULATION	304L SS (OUTER) 304 SS 304 SS

ITEM	TITLE	QUANTITY
3	SEALED SOURCE - SEE TABLE 1	1
2	X9084/n LID	1
1	X9084/n BODY	1
TOTAL		RB00250 / QTY.

**QSA GLOBAL**  
 40 NORTH AVE, BURLINGTON, MA 01803

**DESCRIPTIVE DRAWING**

**X9084/n CAPSULE ASSEMBLY**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES:  
 (UNLESS OTHERWISE SPECIFIED)  
 FRACTIONS ± 1/8  
 X.X ± 0.12  
 X.XX ± 0.06  
 X.XXX ± 0.020  
 ANGULAR ± 5°

APPROVALS: *J. G. ...* DATE: 16 SEP 09  
*L. G. ...* DATE: 16 SEP 09

SAFETY CLASS **A**

DWG. NO. **RB00250**

SCALE: 4:1

SHEET 1 OF 1

REV **C**

ERF #  
**2225**



U.S. Department of  
Transportation

**Pipeline and  
Hazardous Materials  
Safety Administration**

East Building, PHH-23  
1200 New Jersey Ave, SE  
Washington, D.C. 20590

**CERTIFICATE NUMBER:** USA/0774/S-96

**ORIGINAL REGISTRANT(S) :**

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