



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/0513/S-96, 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 No. X.560.
2. Source Description - Cylindrical single encapsulation made of Type 316, 316L, or 304L stainless steel and tungsten inert gas or laser welded. Approximate outer dimensions are 6.6 mm (0.26 in.) in diameter and 10.4 mm (0.41 in.) in length. In some cases there may be a second internal encapsulation constructed of stainless steel, aluminum, or titanium. Construction shall be in accordance with attached AEA Technology QSA Drawing No. R87523, Rev. C.
3. Radioactive Contents - No more than 20 TBq (540 Ci) of either Iridium-192 or Cobalt-60. The Ir-192 and Co-60 are in metallic form.
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 December 31, 2026. Previous editions which have not reached their expiration date may continue to be used.

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<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/0513/S-96, REVISION 7**

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 6, 2021 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

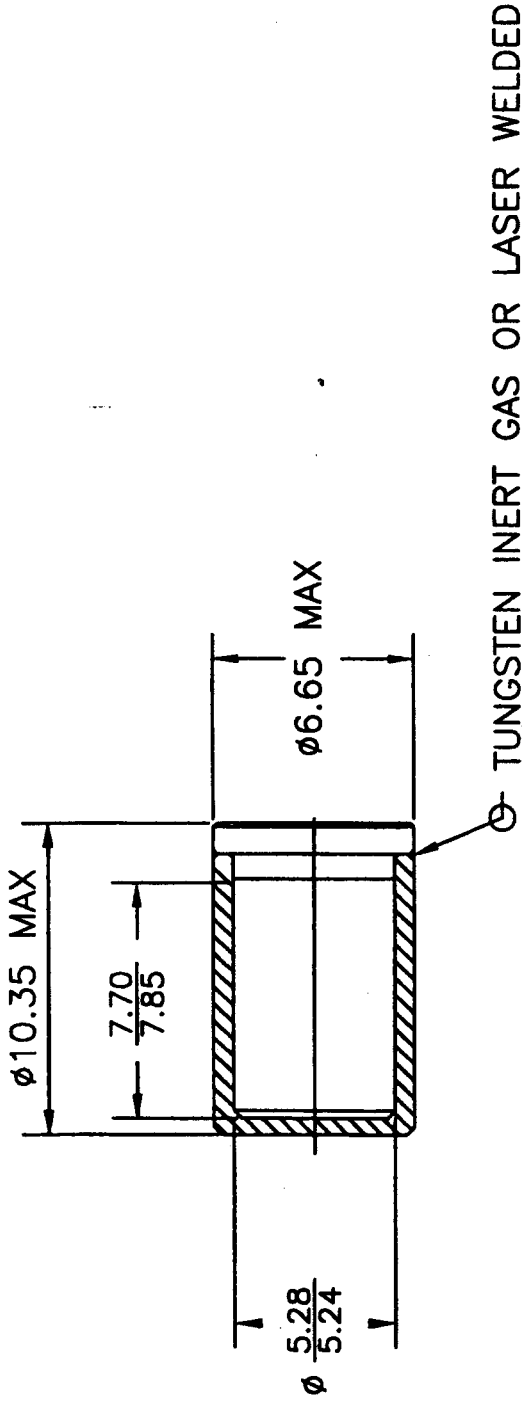


December 16, 2021

(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety


Revision 7 - Issued to extend the expiration date.



NOTES:

1. INTERNAL VOID TO BE 0.010 mL OR GREATER.
2. MATERIAL: 316L STAINLESS STEEL OR EQUIVALENT.
3. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL OR INNER CAPSULE WITHIN THE CAPSULE MAY BE USED.
4. MINIMUM WALL THICKNESS TO BE 0.45.

APPROVALS	
<i>R. J. [Signature]</i>	14 Oct 06
<i>[Signature]</i>	14 Oct 08
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES:	
X	±0.5
X.X	±0.1
X.XX	±0.05
ANGULAR	±5°
INTERNAL	M/
EXTERNAL	N/

 40 NORTH AVE, BURLINGTON, MA 01803		DESCRIPTIVE DRAWING
TITLE	X560 CAPSULE ASSEMBLY	
SIZE	DWG. NO.	REV
A	R87523	C
SCALE:	NONE	SHEET 1 OF 1



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**CERTIFICATE NUMBER:** USA/0513/S-96

**ORIGINAL REGISTRANT(S) :**

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