



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0614/S, REVISION 6

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

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.1218 (Manufactured on or after January 17, 1991).
2. Source Description - Cylindrical single encapsulation constructed of stainless steel and tungsten inert gas or laser seal welded. Ceramic fiber packing is included within the encapsulation to localize the active source material. Approximate outer dimensions are 6.05 mm (0.24 in.) in diameter and 10.2 mm (0.40 in.) in length. Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA62269, Rev. A.
3. Radioactive Contents - No more than 555 MBq (15 mCi) of Cesium-137 in a glass matrix.
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, 2030. 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, 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/0614/S, REVISION 6**

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:

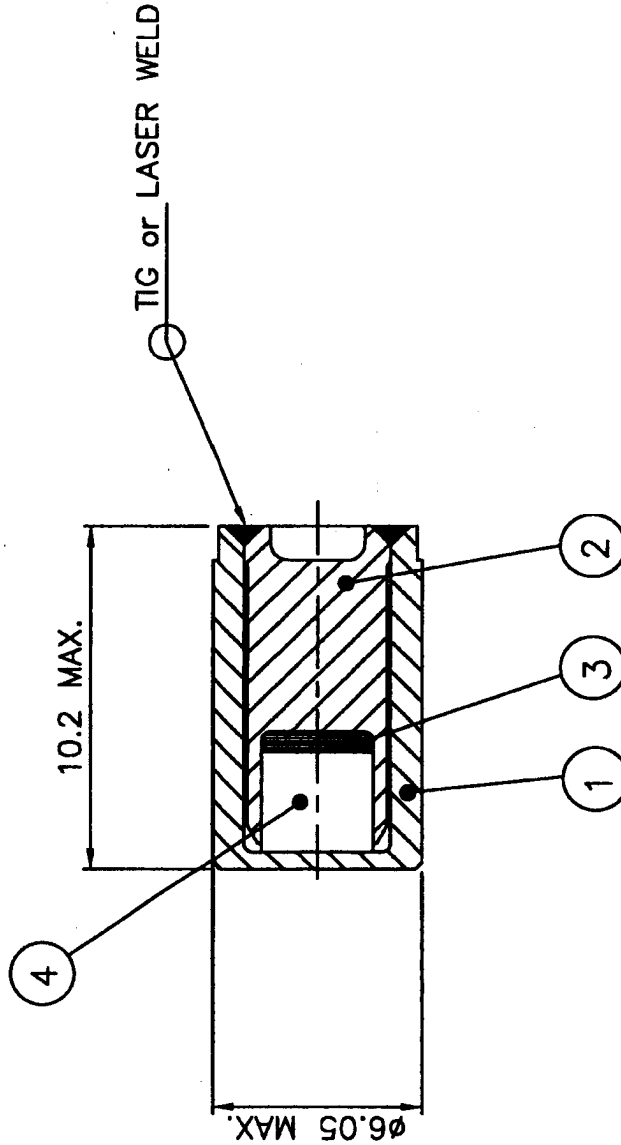


William Quade  
Acting Associate Administrator for  
Hazardous Materials Safety

January 16, 2026  
(DATE)

Revision 6 - 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            | STAIN.STL     | 1   |
| 2    | LID             | STAIN.STL     | 1   |
| 3    | PACKING         | CERAMIC FIBER | A/R |
| 4    | ACTIVE MATERIAL |               | A/R |



|   |  |  |  |
|---|--|--|--|
| <b>APPROVALS</b><br>[Signature] 17 SEP 82<br>[Signature] 17 SEP 82<br>[Signature] 17 SEP 82 |  | <b>DESCRIPTIVE DRAWING</b><br>AEATECHNOLOGY<br>QSA<br>40 NORTH AVE, BURLINGTON, MA 01803 |  |
| <b>TITLE</b> X1218 CAPSULE ASSEMBLY   |  |  |  |
| <b>SIZE</b> A   |  | <b>DWG. NO.</b> RBA62269   |  |
| <b>SCALE:</b> N/A   |  | <b>SHEET</b> 1 OF 1  |  |
| <b>REV</b>  |  | <b>A</b>   |  |

DIMENSIONS IN MILLIMETERS  
 UNLESS OTHERWISE STATED TOLERANCES:  
 X ±0.5  
 XX ±0.1  
 XXX ±0.05  
 ANGULAR ±5°



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**CERTIFICATE NUMBER:** USA/0614/S-96

**ORIGINAL REGISTRANT(S) :**

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

Troxler Electronic Laboratories  
3008 Cornwallis Road  
Research Triangle Park, NC, 27709  
USA