



U.S. Department  
of Transportation

Pipeline and  
Hazardous Materials  
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0335/S, REVISION 15

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 875 Series.
2. Source Description - Cylindrical single or double encapsulations with the outer capsule made of Type 304L stainless steel and tungsten inert gas or laser welded. Approximate outer dimensions are 6.35 mm (0.25 in.) in diameter and either 19.05 mm (0.75 in.) or 24.2 mm (0.954 in.) in length. Inner capsules, when present, are made of stainless steel or titanium. Construction of the outer capsule shall be in accordance with attached QSA Global, Inc. Drawing No. R875 OUTER, Rev. E. Construction of any inner capsule shall be in accordance with attached QSA Global, Inc. Drawing No. R875 INNER, Rev. C, or QSA Global, Inc. Drawing No. R87527-40, Rev. A.
3. Radioactive Contents - No more than either: 14.8 TBq (400 Ci) of Iridium-192 as a solid metal; 8.14 TBq (220 Ci) of Cobalt-60 as a solid metal; 5.56 TBq (150 Ci) of Selenium-75 in the form of a physically inert and stable metal-selenide compound; 1.11 TBq (30 Ci) of Cesium-137 as encapsulated  $\text{CsCl}_2$ ; 1.85 TBq (50 Ci) of Thulium-170 as  $\text{Tm}_2\text{O}_3$ ; or 7.4 TBq (200 Ci) of Ytterbium-169 as  $\text{Yb}_2\text{O}_3$ . Only the activity of Ir-192 in special form may be determined from a measurement of the rate of decay or a measurement of the radiation level at a prescribed distance from the source.

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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/0335/S, REVISION 15**

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 September 30, 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 August 27, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

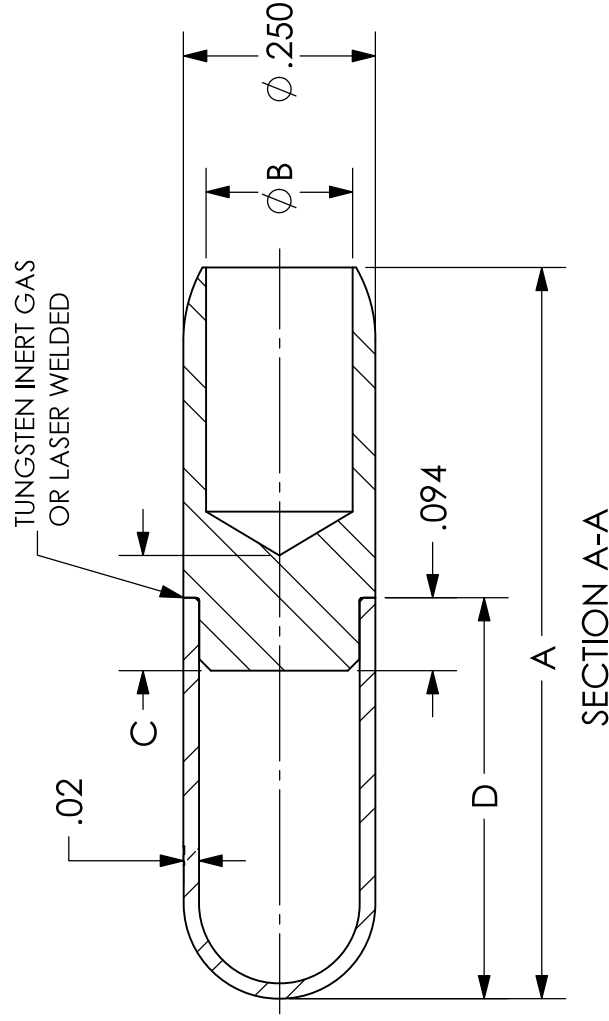


William Quade  
Acting Associate Administrator for  
Hazardous Materials Safety

September 23,  
2025

(DATE)

Revision 15 - 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.



NOTES:

1. INTERNAL VOID TO BE 0.010 mL OR GREATER.
2. MATERIAL: 304L STAINLESS STEEL
3. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS SPRINGS AND GUARDS, WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE, MAY BE USED, AND SHALL HAVE A MELTING POINT ABOVE 800°C.
4. MINIMUM WALL THICKNESS TO BE 0.02 INCHES.

| CAPSULE NO. | A    | ØB   | C    | D    |
|-------------|------|------|------|------|
| 87501       | .954 | .190 | .150 | .522 |
| 88702       | .750 | .190 | .118 | .522 |

UNLESS OTHERWISE SPECIFIED:  
**ALL DIMENSIONS ARE INCHES**  
TOLERANCES:  
FRACTIONS ± 1/8  
X.X ± 0.12  
X.XX ± 0.06  
X.XXX ± 0.020

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

**DESCRIPTIVE  
DRAWING**

|             |                   |                               |        |
|-------------|-------------------|-------------------------------|--------|
| TITLE       |                   | 875 SERIES SDDR OUTER CAPSULE |        |
| SIZE        | DWG. NO.          | REV                           |        |
| A           | <b>R875 OUTER</b> | <b>E</b>                      |        |
| SCALE: NONE |                   | SHEET                         | 1 OF 1 |

ERF #

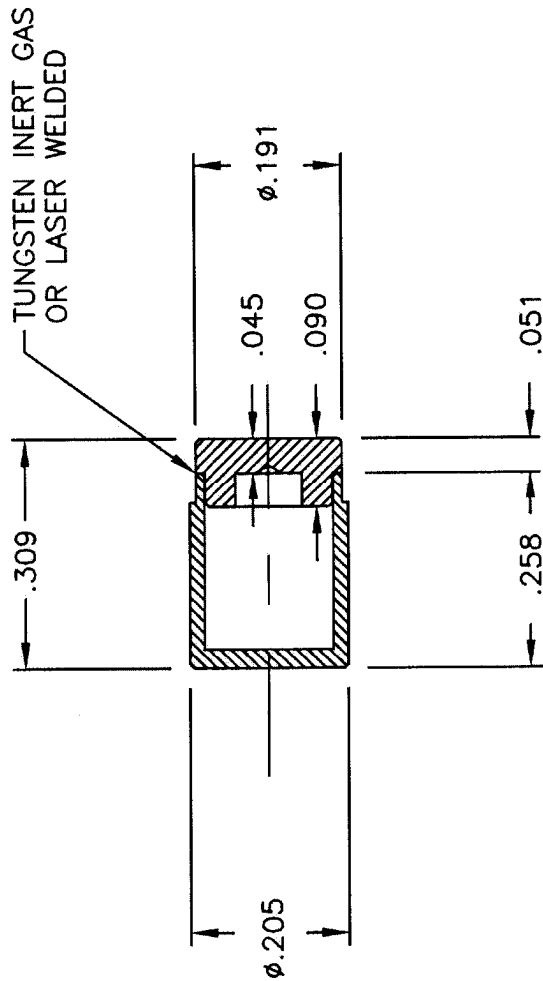
3788

APPROVALS

e-Signed by Brian Girolard  
on 2018-04-26 19:01:36 GMT

e-Signed by Lori Pddolak  
on 2018-04-26 19:29:10 GMT

DATE

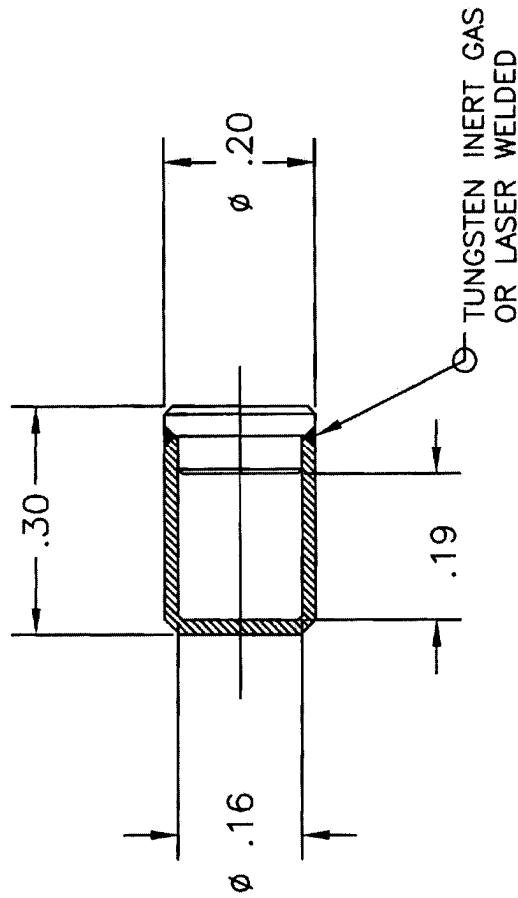


# NOTES:

1. MATERIAL: 304L STAINLESS STEEL.
2. INTERNAL VOID VOLUME TO BE 0.010 mL OR GREATER.
3. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED.
4. MINIMUM WALL THICKNESS TO BE 0.019.

|                                                                                                                                                    |  |                                |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|--|
|  <b>QSA GLOBAL</b><br>40 NORTH AVE., BURLINGTON, MA 01803       |  | <b>DESCRIPTIVE<br/>DRAWING</b> |  |
| APPROVALS<br>                                                  |  | DATE<br>25 Jun 07              |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS IN INCHES<br>TOLERANCES:<br>FRACTIONS $\pm 1/8$<br>X.X $\pm 0.12$<br>X.XX $\pm 0.06$<br>X.XXX $\pm 0.020$ |  | TITLE 875 SERIES INNER CAPSULE |  |
| SIZE<br><b>A</b>                                                                                                                                   |  | DWG. NO. R875 INNER            |  |
| SCALE: NONE                                                                                                                                        |  | REV<br>1 OF 1<br><b>C</b>      |  |

ERF # 1739



NOTES:

1. MATERIAL: 316L STAINLESS STEEL OR EQUIVALENT,  
OPTIONAL MATERIAL: COMMERCIALLY PURE TITANIUM, GRADE 4.
2. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS,  
SPRINGS AND GAURDS WHICH SECURE AND/OR LOCATE THE  
RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED.
3. MINIMUM WALL THICKNESS TO BE 0.009.

|                                                                                                                                                    |  |                       |                                                                                                                                             |                                             |                              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|--|
| APPROVALS                                                                                                                                          |  | DATE                  |  <b>QSA GLOBAL</b><br>40 NORTH AVE, BURLINGTON, MA 01803 |                                             | DESCRIPTIVE<br>DRAWING       |  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS IN INCHES<br>TOLERANCES:<br>FRACTIONS $\pm 1/8$<br>X.X $\pm 0.12$<br>X.XX $\pm 0.06$<br>X.XXX $\pm 0.020$ |  | 7-24-07<br>24 June 07 |                                                                                                                                             |                                             | TITLE X540N CAPSULE ASSEMBLY |  |
| ERF # 1739                                                                                                                                         |  |                       |                                                                                                                                             | SIZE A<br>DWG. NO. R87527-40<br>SCALE: NONE | REV A<br>SHEET 1 OF 1        |  |



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

**CERTIFICATE NUMBER:** USA/0335/S-96

**ORIGINAL REGISTRANT(S) :**

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

Source Production and Equipment Company, Inc.  
113 Teal Street  
St. Rose, LA, 70087  
USA

Industrial Nuclear Company, Inc.  
14320 Wicks Blvd.  
San Leandro, CA, 94577  
USA

AITEC USA Investments Inc.  
8401 West Monroe Rd.  
Houston, TX, 77061  
USA

Western Industrial X-Ray  
1707 Enterprise Drive  
Unit J  
P.O. Box 238  
Fairfield, CA, 94533  
USA

Calumet Testing Services, Inc.  
1945 N. Griffith Blvd.  
Griffith, IN, 46309  
USA

Western X-Ray Company  
P.O. Box 785  
Seiling, OK, 73663  
USA

Duke Energy Corporation  
526 South Church Street  
Charlotte, NC, 28202-1802  
USA

Space Science Services  
5518 Force Four Parkway  
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USA

QC Laboratories, Inc.  
2628 Silver Star Road  
Orlando, FL, 32808-4626  
USA

Brazos Valley Inspection  
P.O. Box 7717  
Abilene, TX, 79608  
USA

U.S. Non-Destructive Inspection  
P.O. Box 7717  
Abilene, TX, 79608  
USA

A2Z NDT (Non Destructive Testing)  
3111 S. Valley View Blvd  
Suite Z-105  
Las Vegas, NV, 89102  
USA