



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0413/S-96, REVISION 6**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

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 Nos. 92802 and 93302.
2. Source Description - The sources authorized by this certificate are tungsten inert gas welded double encapsulations constructed of Type 304 or 304L stainless steel. The outer capsule has diameter 6.4 mm (0.25 in.) and lengths of approximately 13.5 mm (0.53 in.) for Model 92802 and 22.4 mm (0.88 in.) for Model 93302. The outer capsule plug for both consists of a small diameter end which fits snugly inside and is welded to the outer capsule, and a large diameter end of diameter 9.5 mm (0.375 in.) machined to screw onto a source rod. Manufacture of either capsule shall be in accordance with attached Amersham Corporation Drawing No. 92899.
3. Radioactive Contents - Not more than 8.14 TBq (220 Ci) of Cobalt-60 in solid metal form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on March 31, 2022.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 09, 2017 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



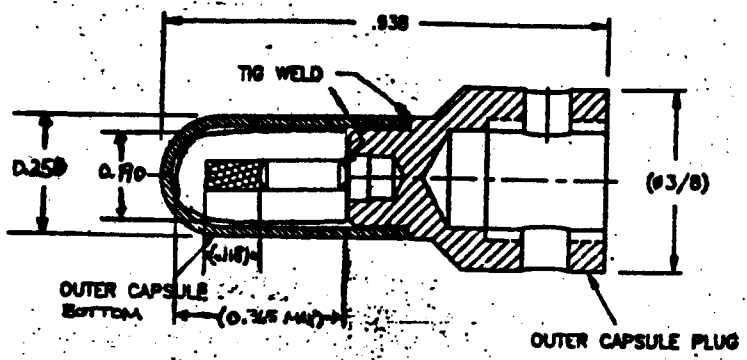
Mar 31 2017

(DATE)

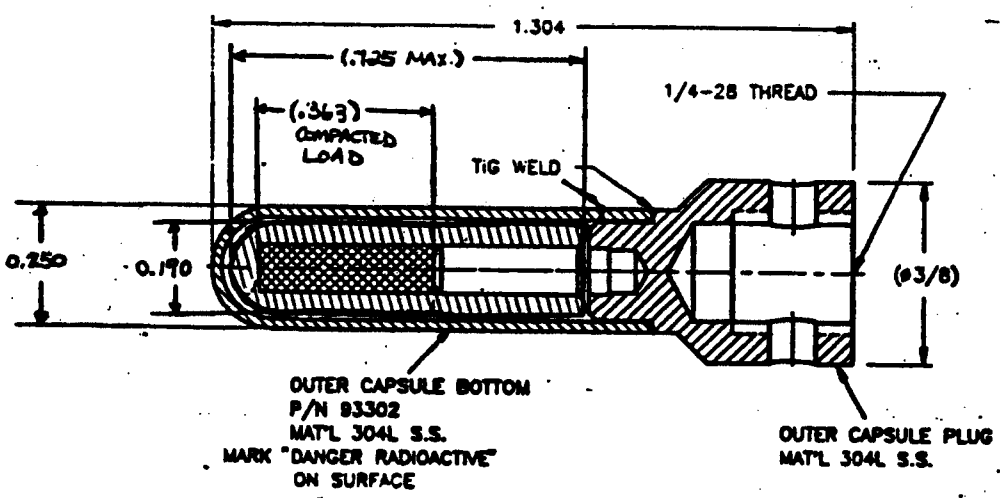
 _____
William Schoonover
Acting Associate Administrator for Hazardous Materials Safety

Revision 6 - Issued to extend the expiration date.

| REV | ENGINEER | DATE | DESCRIPTION |
|-----|----------|------|-------------|
|-----|----------|------|-------------|



92802 SOURCE CAPSULE.



93302 SOURCE CAPSULE.

| | | | |
|-------------------------------------|--------------|---|--------|
| USED ON: | | RELEASED FOR PRODUCTION ON _____ BY _____ | |
| MATERIALS: C.P. TITANIUM GRADE 2 | | AMERSHAM CORPORATION BURLINGTON, MA 01803 Amersham | |
| FINISH: | | DWG. TITLE 92802 AND 93302 SOURCE CAPSULES DESCRIPTIVE DRAWING | |
| DATE | 3-11-94 | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE | |
| PREPARED | G. PARSONS | .X | ±0.1 |
| ENGINEER | G. PARSONS | .XX | ±0.01 |
| CHECKED | D. DUNCANSON | .XXX | ±0.005 |
| APPROVED | | ANGLES | ±1° |
| | | FRACT | ±1/64 |
| | | CLASSIFICATION | SIZE |
| | | | A |
| | | DWG. NO. | 92899 |
| | | SCALE | 4:1 |
| | | SHEET | 1 OF 1 |
| | | REV | |



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CERTIFICATE NUMBER: USA/0413/S-96, Revision 6

ORIGINAL REGISTRANT(S):

Ms. Lori Podolak
Manager, Regulatory Affairs/Quality Assurance
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803

Mr. Michael Fuller
Regulatory Compliance Associate
QSA Global, Inc.
40 North Avenue
Burlington, MA 01803