



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/0377/S-96, REVISION 10

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. Models 60011, 60012, and 60013.
2. Source Description - Cylindrical double encapsulations made of Type 304 or 304L stainless steel and seal welded. Approximate outer dimensions are 6.35 mm (0.25 in.) in diameter and 24.3 mm (0.96 in.) in length (Model 60011); 8.89 mm (0.35 in.) in diameter and 32.5 mm (1.28 in.) in length (Model 60012); and 12.1 mm (0.48 in.) in diameter and 40.3 mm (1.59 in.) in length (Model 60013). Inner capsules are made of stainless steel or titanium, secured by stainless steel, titanium, or aluminum spacer disks and springs. Construction shall be in accordance with attached Tech/Ops Drawing No. 60060, Rev. B.
3. Radioactive Contents - No more than 8.14 TBq (220.0 Ci) of Cobalt-60 for the Model 60011. No more than 25.9 TBq (700.0 Ci) of Cobalt-60 for the Model 60012. No more than 44.4 TBq (1,200.0 Ci) of Cobalt-60 for the Model 60013. The Co-60 is in solid metallic form.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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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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, 2025. 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 July 24, 2020 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



William Schoonover
Associate Administrator for Hazardous
Materials Safety

September
02, 2020

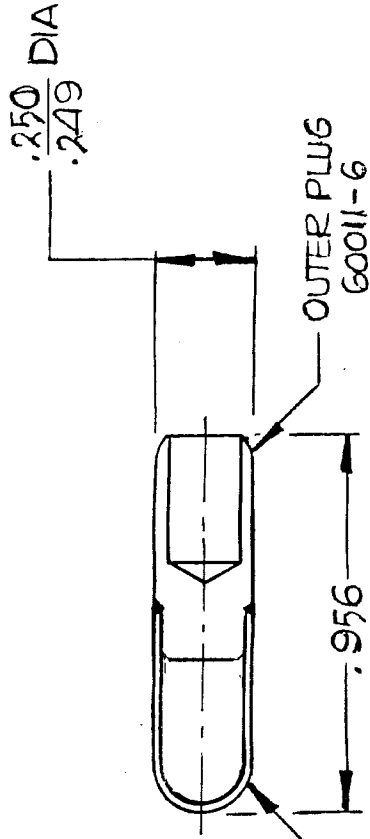
(DATE)

Revision 10 - Issued to extend the expiration date.

NOTES:

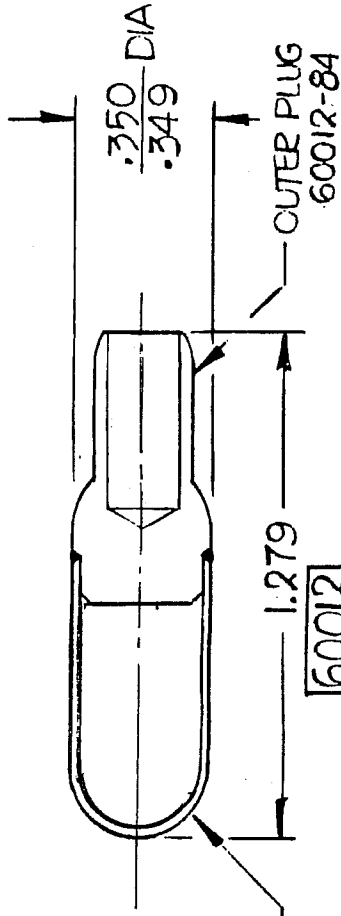
1. EACH SOURCE CAPSULE IS SEAL WELDED IN ACCORDANCE WITH TECH/OPS STANDARD SOURCE ENCAPSULATION PROCEDURE
2. IN ADDITION TO THE RADIONUCLIDE, COBALT-60, THE SOURCE CAPSULE MAY CONTAIN STAINLESS STEEL, TITANIUM OR ALUMINUM AS A SECONDARY ENCAPSULATION SPACER OR SPRING

REV.	DATE	DESCRIPTION
A	25 SEP 85	SEE HT 1
B	1 MAY 86	NOTES ADDED TO DESCRIBE ADDITIONAL CONTENTS



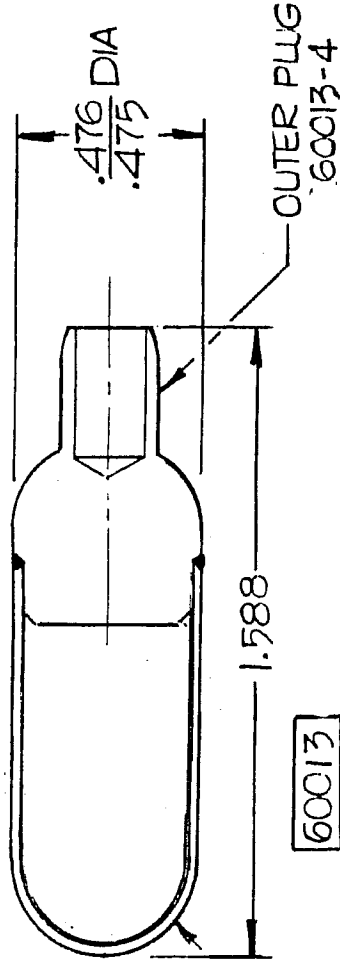
OUTER CAPSULE
87501-2

60011



OUTER CAPSULE
60012-94

60012



OUTER CAPSULE
60013-3

60013

MATERIALS

FINISH

DRAWN BY

T. J. ...

CHECKED BY

APPROVED BY

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
.X	±
.XX	±
.XXX	±
ANGLES	±
FRACTIONS	±

Tech/Ops

TECH/OPS, INC.
RADIATION PRODUCTS DIVISION
BURLINGTON, MA 01803

DWG TITLE

COBALT 60 SOURCE REFERENCE

CLASSIFICATION

SIZE

DWG. NO.

60060

REV.

B

SCALE 2:1

SHEET

2 OF 3



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CERTIFICATE NUMBER: USA/0377/S-96

ORIGINAL REGISTRANT(S) :

QSA Global, Inc.
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Burlington, MA, 01803
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Garland, TX, 75042
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526 South Church Street
Charlotte, NC, 28202-1802
USA

Space Science Services
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Dothan, AL, 36301
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2870 Stirling Road
Hollywood, FL, 33020-1199
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4175 West Tompkins Avenue
Las Vegas, NV, 89103
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