



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/0746/S-96, REVISION 3

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 Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X441 (Manufactured on or after February 7, 1978).
2. Source Description - Cylindrical single encapsulation made of stainless steel and tungsten inert gas seal welded. Approximate outer dimensions are 6.5 mm (0.26 in.) in diameter and 23.8 mm (0.94 in.) in length. Minimum wall thickness is 0.9 mm (0.03 in.). Construction shall be in accordance with attached Amersham Drawing 3A10672, Issue D.
3. Radioactive Contents - No more than 11.0 TBq (297.3 Ci) of either Cobalt-60 or Iridium-192. The Co-60 and Ir-192 are in the form of a solid metal.
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 August 31, 2026. Previous editions which have not reached their expiration date may continue to be used.

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.

CERTIFICATE USA/0746/S-96, REVISION 3


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 2, 2021 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



August 26, 2021

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 3 - Issued to extend the expiration date.

Third Angle Projection

This drawing conforms to BS 308

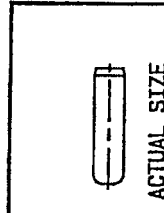
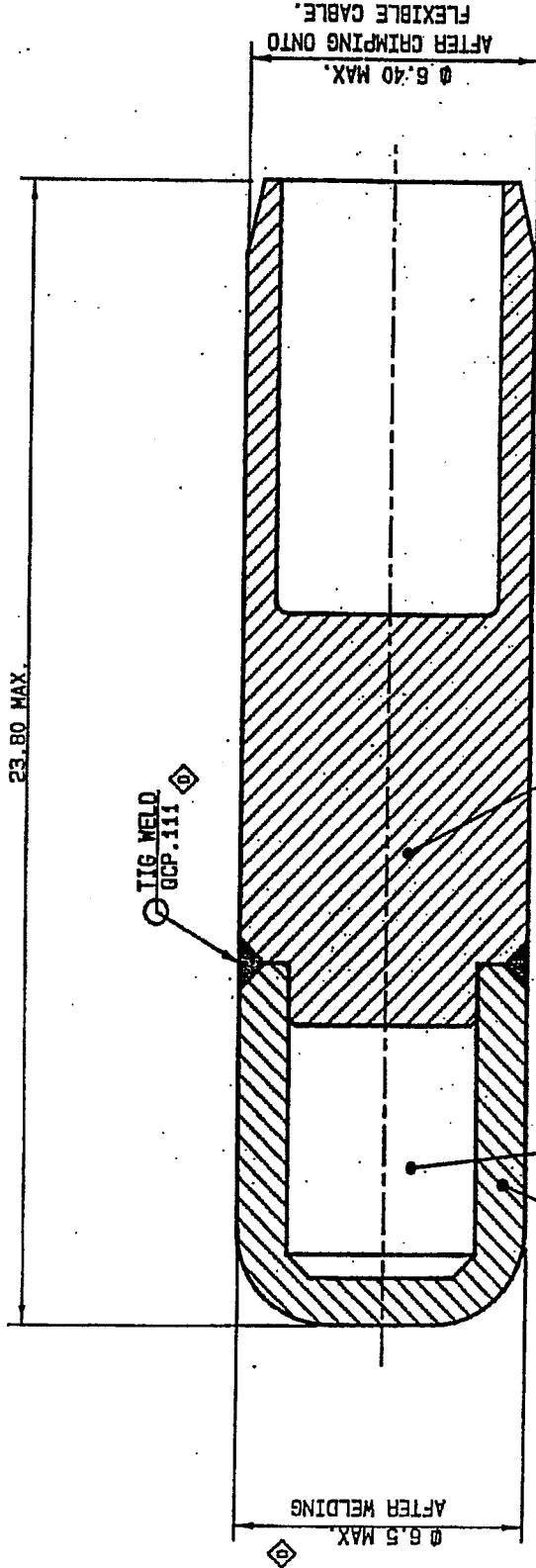


This drawing is the private and confidential property of Amersham International plc, and must not be loaned, copied or reproduced without written permission.

ENGRAVE TO QCP114

Item No	Drawing No	Description	No off
1	3A10669	BODY STAIN.STL.	1
2	3A10670	PLUG STAIN.STL.	1
3		ACTIVE MATERIAL	

23.80 MAX.



REFERS TO FEATURES AMENDED AT ISSUE SHOWN.

REDRAWN FROM 3RC10672 ISSUE C.

Material & Spec.	Tolerances	Surface Texture	Finish	Approvals: This Drawing is not to be used for any purpose unless signed as approved Issue Mod. No. Date Drawn Checked QA approved D MS1071 23-8-93 M.A. <i>[Signature]</i> BY 31.9.93 <i>[Signature]</i>	
	Unless stated	✓ unless stated	Remove all burrs	Title	
Original Scale 10/1 not scale	Dim. in millimetres	Used on	ASSEMBLY OF X441 CAPSULE		
© Amersham Amersham International plc. Amersham UK			Drg. 3A10672		



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ORIGINAL REGISTRANT(S) :

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