



AEA Technology

QSA Inc.

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**AEA Technology QSA, Inc. Regulatory/Health Physics Department – Burlington, MA**

**Information regarding Special Form Certificate USA/0627/S for Capsule Code X2084**

Special Form certificate GB/281/S-85 for the X2084 capsule will lapse at the end of June 2003. All products that were previously approved as Special Form Radioactive Material by Special Form Certificate GB/281/S-85 are now approved as special form under Special Form Certificate USA/0627/S.

  
Product Licensing Specialist

16 May 03  
Date



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

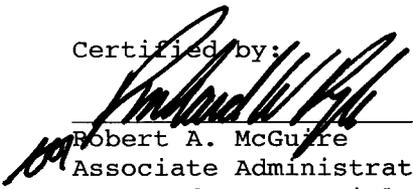
**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0627/S, REVISION 0**

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 materials.

1. Source Identification - AEA Technology QSA, Inc. Model Number X.2084
2. Source Description - Cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. Approximate outer dimensions are 9.1 mm (0.36 in.) in diameter and 12.8 mm (0.5 in.) in length. Minimum wall thickness of the sheath body is 0.95 mm (0.04 in.) and of the cell body is 0.85 mm (0.03 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing number RBA61685, Rev. A.
3. Radioactive Contents - No more than 5.55 GBq (0.15 Ci) of Americium-241 mixed with Beryllium. The Americium-241 is in solid oxide form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires May 15, 2008.

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 petition and information dated March 13, 2003 and March 28, 2003 submitted by AEA Technology QSA, Inc, Burlington, MA, and in consideration of other information on file in this Office.

Certified by:

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

MAY 15 2003

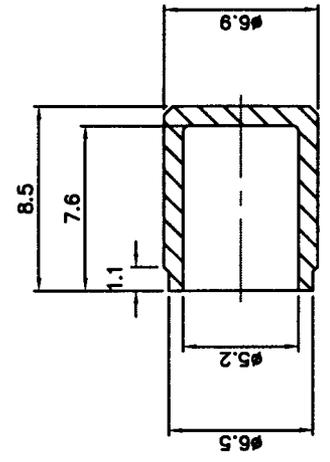
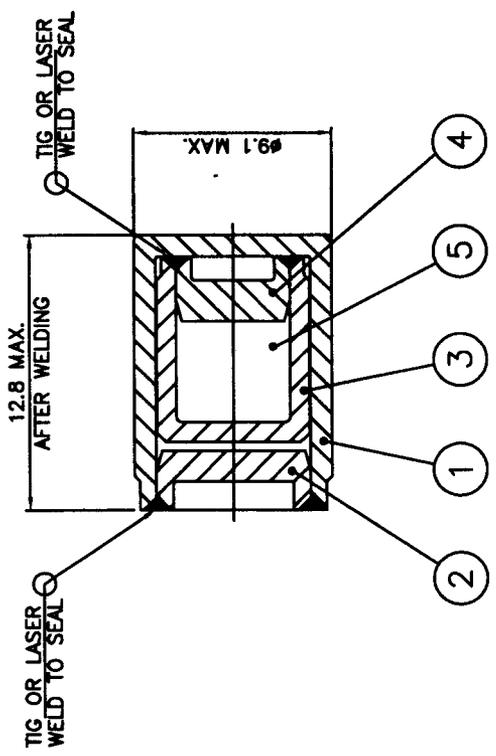
(DATE)

Revision 0 - Original Issue.

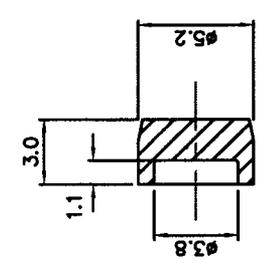
1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

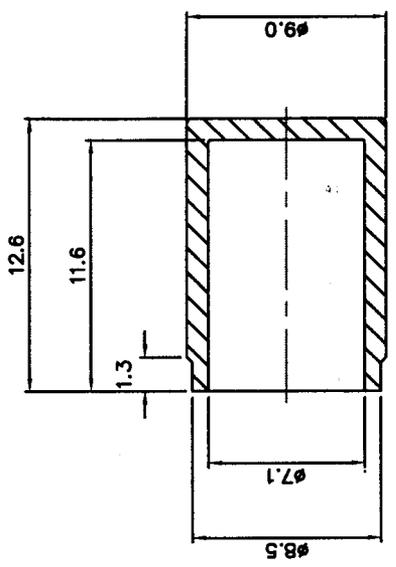
ITEM No.	DESCRIPTION	QTY.
1	SHEATH BODY STAIN.STL	1
2	SHEATH LID STAIN.STL	1
3	CELL BODY STAIN.STL	1
4	CELL LID STAIN.STL	1
5	ACTIVE MATERIAL	AR



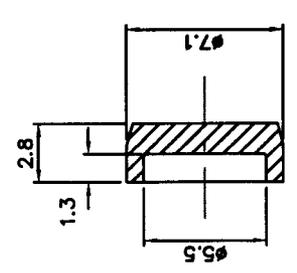
ITEM 3



ITEM 4



ITEM 1



ITEM 2

APPROVALS	
<i>[Signature]</i>	OSMARD 3
<i>[Signature]</i>	3 MARD 3



DESCRIPTIVE DRAWING

TITLE X2084 CAPSULE ASSEMBLY

SIZE	DWG. NO.	REV
A	RBA61685	A
SCALE:	NONE	SHEET 1 OF 1

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

ERF # 475