



U.S. Department  
of Transportation

Research and  
Special Programs  
Administration

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

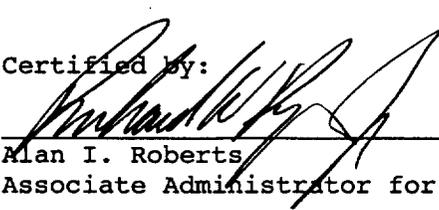
**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0179/S, REVISION 7**

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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - Amersham Series 900 Iridium Capsule
2. Source Description - The sources described by this certificate are tungsten inert gas welded, single encapsulations constructed of Type 304L stainless steel. The outside dimensions are 5.2 mm (0.205") in diameter by 15.5 mm (0.611") long. Inside dimensions may vary, but the minimum wall thickness is 0.71 mm (0.028"). Sources authorized by this certificate shall be in accordance with Amersham Drawing No. 900 CAP, Revision A (attached).
3. Radioactive Contents - These sources consist of not more than 8.88 TBq (240 Ci) of Ir-192 in solid, metallic form.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 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 September 30, 2003.

This certificate is issued in accordance with paragraph 703 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 August 24, 1998 submitted by AEA Technology, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by:

  
\_\_\_\_\_  
Alan I. Roberts  
Associate Administrator for Hazardous Materials Safety

SEP 18 1998

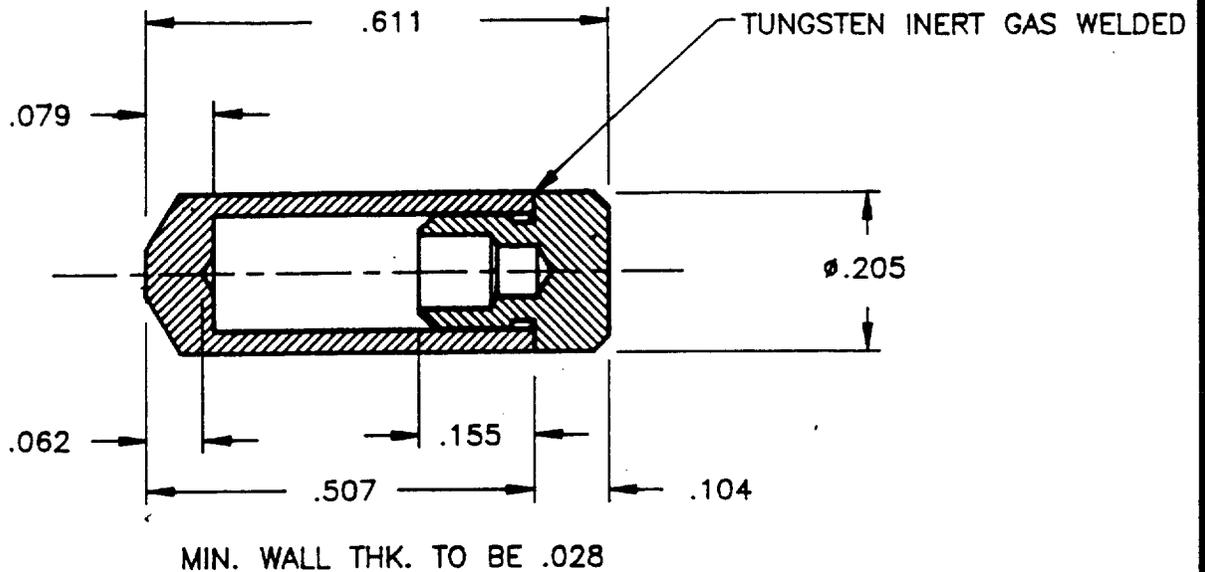
\_\_\_\_\_  
(DATE)

Revision 7 - Issued to extend the expiration date.

-----  
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

REV	ENGINEER	DATE	DESCRIPTION
A	G. PARSONS	05-13-93	INITIAL RELEASE ECO# 1378



NOTES:

- INTERNAL VOID VOLUME TO BE 0.010 mL OR GREATER
- INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED.

USED ON: \_\_\_\_\_ RELEASED FOR PRODUCTION ON \_\_\_\_\_ BY \_\_\_\_\_

MATERIALS: 304L ST.STL. AMERSHAM CORPORATION BURLINGTON, MA 01803 **Amersham**

FINISH \_\_\_\_\_ DWG. TITLE

DATE	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
5-13-93	.X ±0.1
T.ABBOTT 5/11/93	.XX ±0.01
ENGINEER	.XXX ±0.005
CHECKED <i>G.P.</i> 5-13-93	ANGLES ±1°
APPROVED <i>G. Parsons</i> 6-9-93	FRACT ±1/64

900 SERIES CAPSULE DESCRIPTIVE DRAWING		CLASSIFICATION	SIZE	DWG. NO.	REV
NA	A	900 CAP	A		
SCALE	4:1	SHEET	1	OF	1