



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/0392/S, REVISION 5**

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 materials.

1. Source Identification - Amersham Corporation Series 875 Capsule
2. Source Description - The source described by this certificate is a single encapsulation constructed of Type 304 or 304L stainless steel and sealed by tungsten inert gas weld. The outside dimensions are 5.2 mm (0.205") in diameter by 7.84 mm (0.309") in length. Inside dimensions may vary, but the minimum wall thickness is 0.482 mm (0.019"). In most applications, this source is the inner encapsulation of an outer capsule that not sealed by a weld. All sources shall be manufactured in accordance with Amersham drawing No. 875 INNER, Revision B (attached).
3. Radioactive Contents - This source consists of not more than 8.9 TBq (240 Ci) of Ir-192 or Co-60 in the form of metallic wafers or pellets. Inserts, springs, and spacers may be used to position/secure the metallic iridium or cobalt within the capsule.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 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 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 October 31, 2003.

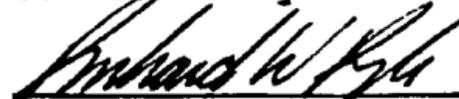
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

CERTIFICATE USA/0392/S, REVISION 5

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, Burlington, MA, and in consideration of other information on file in this Office.

Certified by:



Alan I. Roberts

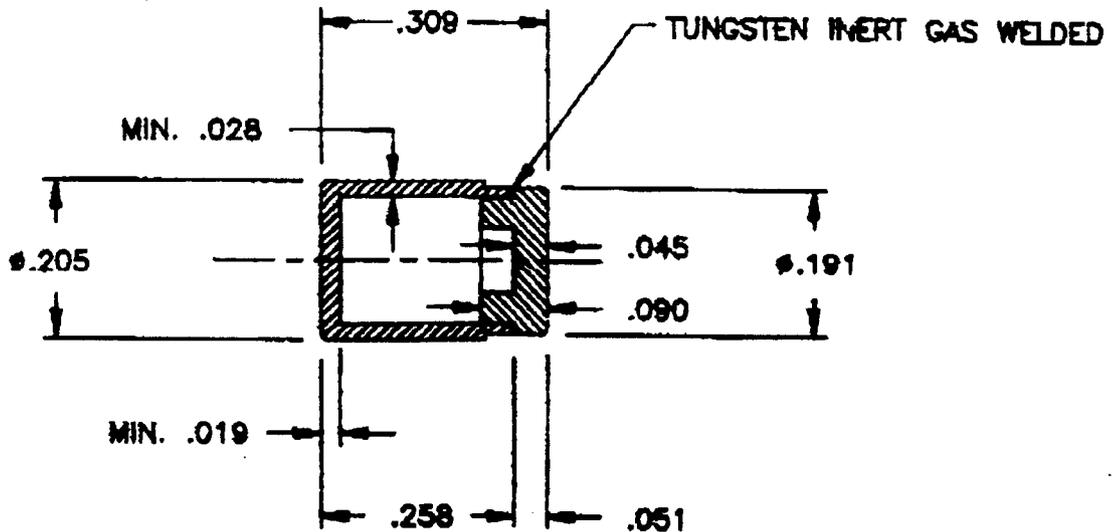
Associate Administrator for Hazardous Materials Safety

OCT 16 1998

(DATE)

Revision 5 - Issued to extend the expiration date

REV.	ENGINEER	DATE	DESCRIPTION
A	G. PARSONS	05-13-93	INITIAL RELEASE ECO# 1275
B	G. PARSONS	10-13-93	MIN. .028 DIV. ADDED ECO#



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: 5-13-93		875 SERIES INNER CAPSULE DESCRIPTIVE DRAWING	
PREPARED T. ABBOTT	5/11/93	CLASSIFICATION: NA	SIZE: A
ENGINEER			
CHECKED G.P.	5-13-93	DWG. NO. 875 INNER	REV B
APPROVED	10/13/93		
		SCALE: 4:1	SHEET 1 OF 1