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/0570/S, REVISION 2

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[1] and the United States of America[2] for the transport of radioactive materials.

1. Source Identification - Alpha-Omega Services, Inc. Model CSN0010-192 Brachytherapy Source.

2. Source Description - Cylindrical seal welded single encapsulation made of Type 316L stainless steel with a welded connector and 7x7 stranded stainless steel cable extension. Approximate exterior dimensions of the capsule are 1.1 mm (0.04 in.) in diameter and 4.5 mm (0.18 in.) in length; and of the connector and cable are 1.1 mm (0.04 in.) in diameter and 1995.5 mm (78.6 in.) in length. Construction shall be in accordance with attached Alpha-Omega Services, Inc. Drawing No. CSN00010, Rev. C.

3. Radioactive Contents - No more than 0.555 TBq (15.0 Ci) of Iridium-192. The Ir-192 is in the form of a solid metal wire.

4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations[1] 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 January 31, 2010.

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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.

CERTIFICATE USA/0570/S, REVISION 2

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 October 26, 2004 and December 7, 2004 submitted by Alpha-Omega Services, Inc., Bellflower, CA, and in consideration of other information on file in this Office.

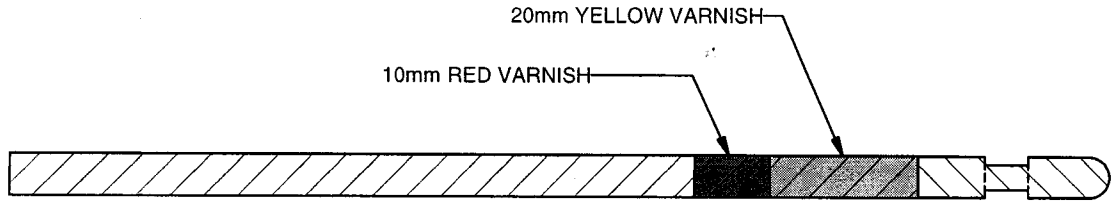
Certified by:

DEC 16 2004

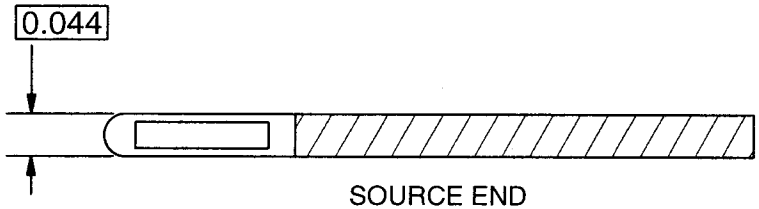
Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

(DATE)

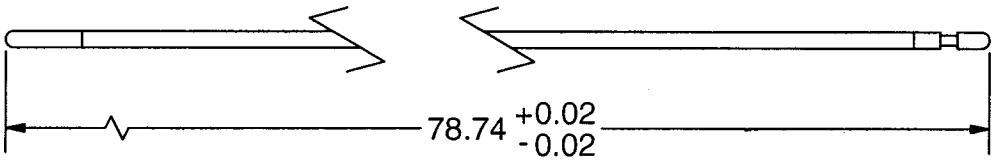
Revision 2 - Issued to extend the expiration date.



CONNECTOR END
SCALE 5 : 1



SOURCE END
SCALE 5 : 1



DWG NO	SHT	REV
CSN00010	1	C

REVISIONS

REV	DESCRIPTION	DATE	APPD

NOTES

MATERIAL SPEC:	FINISH SPEC:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES: .XX DECIMALS ± 0.02 .XXX DECIMALS ± 0.005 X° ± 1.0 X/X ± -

	SIGNATURES	DATE
DRAWN:	BR	24NOV04
ENGR:	BR	24NOV04

AOS
ALPHA-OMEGA SERVICES, INC.

ASSEMBLY SOURCE CABLE
MICROSELECTRON CLASSIC

SIZE	DWG NO	REV
A	CSN00010	C

SCALE | SHEET 1 OF 1