



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0571/S-96, REVISION 2

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

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 - Varian Model VS-2000.
2. Source Description - The source is a Nitinol wire containing two 2.5 mm (0.098 in.) enriched iridium seeds. The seeds are inserted into a 6.0 mm (0.24 in.) deep cavity in the wire. The wire cavity was made by either a conventional drilling or a electrical discharge machining process and was sealed with a Nitinol endcap by either gas tungsten arc or laser welding. The outer diameter of the wire is approximately 0.6 mm (0.024 in.) and the wire is approximately 2.6 meters (8.53 ft.) long. Construction shall be in accordance with attached Varian Medical Systems Drawing No. SK32163500, Issue 1.
3. Radioactive Contents - No more than 0.48 TBq (13 Curies) of Iridium-192 seeds.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ 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 applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on February 28, 2013.

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.

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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 January 08, 2008 petition by Varian Medical Systems, Palo Alto, CA, and in consideration of other information on file in this Office.

Certified By:



Feb 21 2008

(DATE)

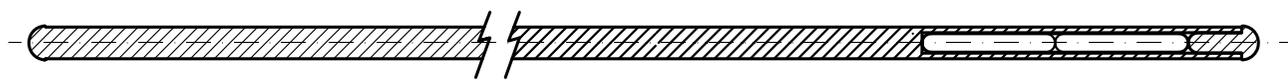
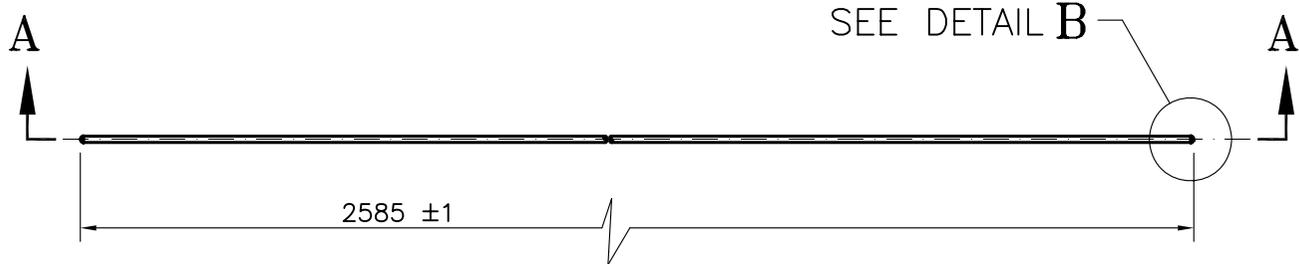
Robert A. Richard

Deputy Associate Administrator for Hazardous Materials Safety

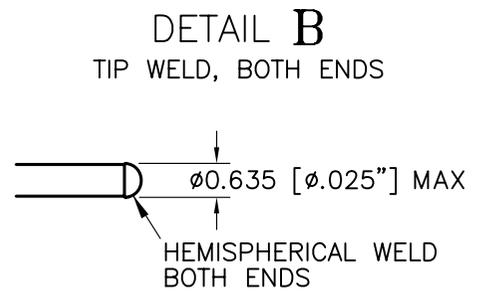
Revision 2 - Issued to extend the expiration date and update attached drawing.

DO NOT SCALE, IF IN DOUBT ASK

QTY.	PART No.	DRG. SIZE	DESCRIPTION	ITEM



SECTION A-A
SOURCE & PLUG PLACEMENT



000 SHOWN

PROJECTION

REFER TO
BS. 308
FOR
INTERPRETATION

COPYRIGHTS
This drawing is a PRIVATE & CONFIDENTIAL document and is supplied on loan by request. Possession of this drawing by the issued Company acknowledges that no third party may examine, copy or possess it, except by express permission of Varian Medical Systems UK Ltd in writing.
Note: the issued Company upon request of Varian Medical Systems UK Ltd must return this drawing intact.

ECO No. / DATE BY	
CHANGE / ZONE OR WORK DATE, SEE EDO	
NEW DRAWING	

	UNLESS OTHERWISE STATED: - MANUFACTURE TO QA 7000	
	DIMENSIONS - ARE IN MILLIMETRES (mm)	
MATERIAL: ---	TAPPED HOLES: I.S.O. METRIC, PITCH, 6H, BS.3643	TOLERANCES: ANGULAR, ± 0.5 DEGREE LINEAR, .XXX ± 0.12 .XX ± 0.25 .X ± 0.5 .X' ± 1.0
SPECIFICATION: ---	SURFACE TEXTURE: VALUES IN μm , 1.9 (MACHINED FACES)	
TREATMENT: ---	DRAWN BY: wws	TITLE: VS2000 SEALED SOURCE WIRE SUBMISSION DRAWING
FINISH: MACHINE AT REMOVE ALL BURRS	APPROVED BY: ---	DRG. No. SK32163500
	ORIGINAL SCALE: NTS	SIZE A3 (B)
	FIRST USED ON: ---	SHEET No. 1 of 1 SHTS.
	SIMILAR TO: ---	ISSUE : - 1
SPECIFICATION: ---	REVIEWED BY: apartrid	
VARIAN MEDICAL SYSTEMS UK LTD, GATWICK ROAD, CRAWLEY, WEST SUSSEX, RH10 2RQ, U.K.		



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CERTIFICATE NUMBER: USA/0571/S-96, Revision 2

ORIGINAL REGISTRANT(S):

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Charlottesville, 22903
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