



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

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

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0571/S-96, 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 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. Management System Activities - Records of Management System activities required by Paragraph 306 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 in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" 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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5. Expiration Date - This certificate expires on July 31, 2027. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the June 14, 2022 petition by Varian Medical Systems, Palo Alto, CA, and in consideration of other information on file in this Office.

Certified By:

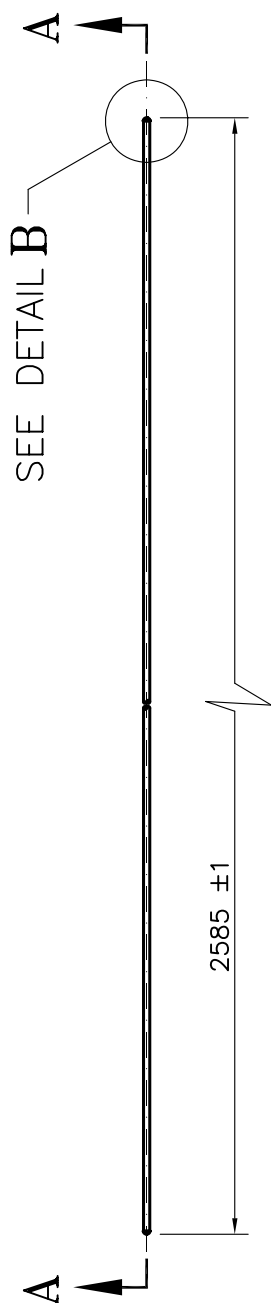


July 25, 2022
(DATE)

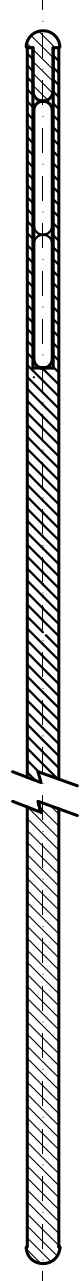
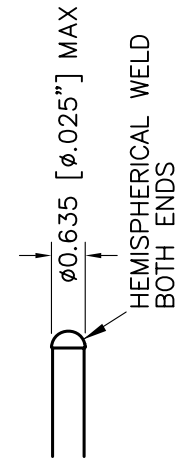
 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 5 - Issued to extend the expiration date.

1	2	3	4	5	6	7	8	9	10	11	12
DO NOT SCALE, IF IN DOUBT ASK											ITEM
QTY.							PART No.		DESCRIPTION		
DRG. SIZE											



DETAIL B
TIP WELD, BOTH ENDS



SECTION A-A
SOURCE & PLUG PLACEMENT

PROJECTION	1st ANGLE
000 SHOWN	REFER TO BS. 308 FOR INTERPRETATION
<p>COPYRIGHTS This drawing is a property of VARIAN MEDICAL SYSTEMS LTD. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of VARIAN MEDICAL SYSTEMS LTD. For more information, contact VARIAN MEDICAL SYSTEMS LTD.</p>	

ECO No./REV	05 / FEB 2005
CHANGE / ZONE	NEW DRAWING

UNLESS OTHERWISE STATED:-		MANUFACTURE TO: SA 7000
TAPPED HOLES	TOLERANCES:	
I.S.O. METRIC PITCH, 6H, BS.3643		ANGULAR, ± 0.5 DEGREE
SURFACE TEXTURE		LINEAR, .XXX ± 0.12
VALUES IN μm, 1/10 (MACHINED FACES)		LINEAR, .X ± 0.0
DRAWN BY: NWS		APPROVED BY: NTS
ORIGINAL SCALE		FIRST USED ON: SK32163500
SIMILAR TO:		SIZE: A3
REVIEWED BY: opert/td		SHEET No. 1 of 1
VARIAN MEDICAL SYSTEMS UK LTD, GATICK ROAD, CRANLEY, WEST SUSSEX, RH10 2BQ, U.K.		ISSUE 3 - 1

<p>VARIAN medical systems</p>	
MATERIAL:	
SPECIFICATION:	
TREATMENT:	
FINISH:	REMOVE ALL FINISH
<p>VS20000 SEALED SOURCE WIRE SUBMISSION DRAWING</p>	
<p>DRG. No. SK32163500 SIZE A3</p>	



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ORIGINAL REGISTRANT(S) :