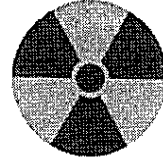




## Department of Health

Directorate: Radiation Control  
Private Bag X62  
BELLVILLE  
7535

☎: 021-9486162  
Fax: 021-9461589  
E-mail: [vaname@health.gov.za](mailto:vaname@health.gov.za)



Web: <http://www.doh.gov.za/department/radiation/01.htm>

**CERTIFICATE NUMBER ZA/004/S-96 (Rev.6)**

### **SOUTH AFRICAN COMPETENT AUTHORITY CERTIFICATE OF APPROVAL FOR SPECIAL FORM RADIOACTIVE MATERIAL**

The Department of Health: Directorate Control, being for the purpose of the Regulations of International Atomic Energy Agency, the Competent Authority in the Republic of South Africa in respect of the transport of radioactive material, certifies herewith that the source design, described herein, meets the requirements for special form radioactive material as defined in the document IAEA Safety Series TS-R-1 (ST-1 Revised), Regulations for Safe Transport of Radioactive Material, 2005 Edition.

**1. Identification**  
ZA/004/S-96

**2. Form Description of Special Form Radioactive Material**  
The radioactive material is in the form of a sealed source, consisting of Iridium metal in the form of discs encapsulated by means of welding in 316 L stainless steel. The capsule has the following dimensions: length, 8.0 mm ; diameter 4.4 mm. The exact configuration is detailed in drawing I:B 150:000.

**3. Radioactive Contents**  
The radioactive content of the source is Ir-192 with an activity not exceeding 7.5TBq (200 Ci).

**4. Quality Assurance Program**  
The source is produced under the ISO 9001: 2000 certification granted to NTP Radioisotopes (Pty) Ltd (a subsidiary of Necsa) by the South African Bureau of Standards and in accordance with work procedure MAI-WPD-0022.

**5. This certificate is issued in response to an application by NTP Radioisotopes (Pty) Ltd, letter HA-0141 dated 10 October 2007.**

**6. This certificate expires at midnight on 31 October 2011**

Signed at Bellville on 31 October 2007

  
**DIRECTOR GENERAL- HEALTH**

This certificate does not relieve the consignor from compliance with any requirements of this Government or any other Government of any country through or into which the package may be transported

REVISED DATE	BY	REVISIONS DATE	APPROVED DATE	PROJECT NAME ADDRESS CITY STATE ZIP	CLIENT FIRM ADDRESS CITY STATE ZIP	DATE BY CHECKED DATE	PROJECT NO.	DATE BY CHECKED DATE	PROJECT NO.
A		C							
(1) NOT SCALE - IF IN DASHES / SEE SCALE, SEE - AS IN OTHER VIEWS				BUILDING 3000 INDIUM SOURCE CAPSULE I.B. 150:000					

1.25  
1.20

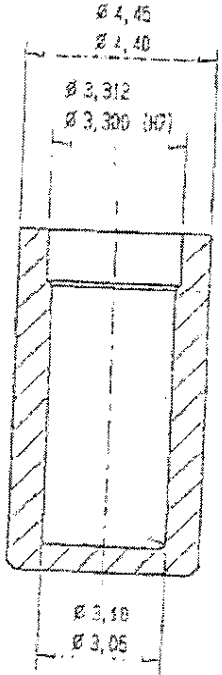
10.1251x45

0.2x45

NOTE:

- 1) ALL CAPSULES TO BE MASKED AS SHOWN
- 2) ALL SERIAL NO 5 XXXX WILL BE PROVIDED BY ISOTOPE CENTRE

2.25  
2.20  
1.20  
1.15

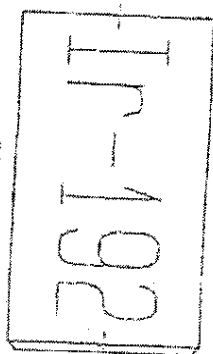


RADIUS TO DR. NO. 0  
TO DR. 15 MAX

7.45  
7.40

0.05  
0.00

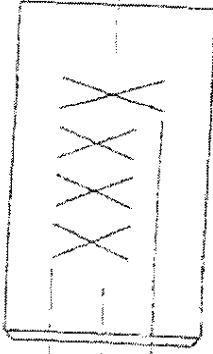
HOLDER



TOP



CAP



BOTTOM

MATL: STAINLESS STEEL 316L - N D CAR

DATE: 10/15/00		DRAWN: J. B. 150:000	
CHECKED: J. B. 150:000		DATE: 10/15/00	
APPROVED: J. B. 150:000		DATE: 10/15/00	
PROJECT: INDIUM SOURCE CAPSULE		BUILDING: 3000	
SERIAL: 5 XXXX		MATERIAL: STAINLESS STEEL 316L	