



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/0423/S, REVISION 0

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in IAEA Regulations¹ and USA regulations² for the transport of radioactive materials.

1. Source Description - The source described by this certificate is identified as 3M Model 3FlW which is a Type 316 L stainless steel, double encapsulated source measuring 25.4 mm (1.00") by 22.1 mm (0.87") by 9.4 mm (0.37").
2. Radioactive Contents - This source consists of not more than .01 TBq (0.2 curies) of Strontium 90 in the form of ceramic microspheres.
3. Expiration Date - This certificate expires July 31, 1994.

This certificate is issued in accordance with paragraph 803 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, and in response to the February 7, 1989 petition by 3M Company, New Brighton, MN, and in consideration of the associated information therein, and other information filed with this office.

Certified by:

Michael E. Wangler

for Michael E. Wangler
Chief, Radioactive Materials Branch
Office of Hazardous Materials Transportation

AUG 3 1989

(DATE)

Revision 0 - Issued for reassignment of Model 3FlW from USA/0111/S to USA/0423/S and to extend the expiration date.

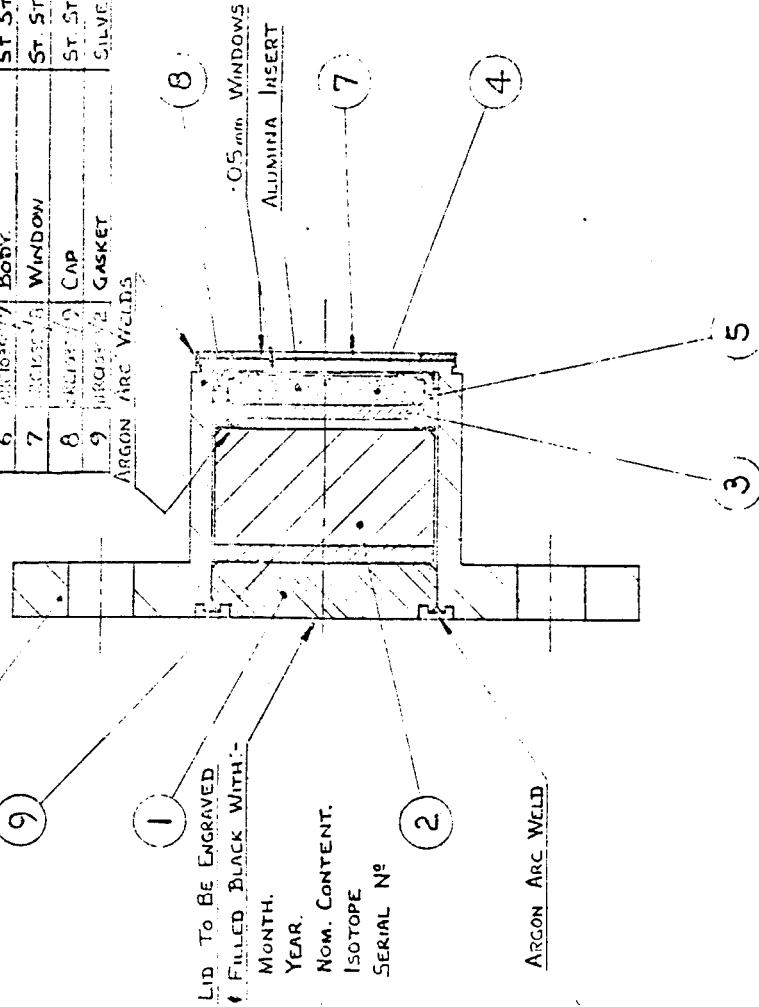
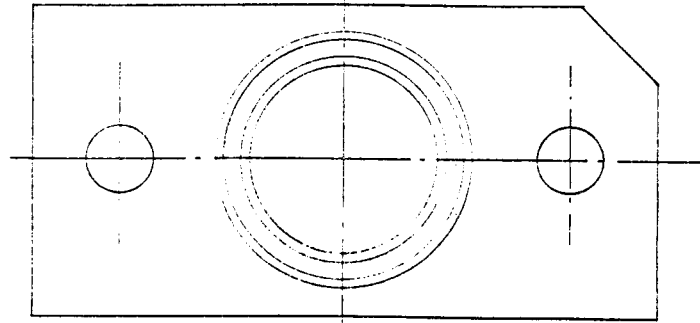
1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1973 Revised Edition" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, USA.

DRG. No. **BRC10358/S**

THIRD ANGLE PROJECTION

USED ON



LID TO BE ENGRAVED
 WITH:
 FILLED BLACK WITH:-
 MONTH.
 YEAR.
 NOM. CONTENT.
 ISOTOPE
 SERIAL N^o

ARGON ARC WELD

ARGON ARC WELDS

.015 min WINDOWS

ALUMINA INSERT

ITEM NO.	QTY	DESCRIPTION	REMARKS	N ^o REF
1	1	LID	ST ST	1
2	1	PLUG	HEAVY ALLOY	1
3	1	CAPSULE CAP	ST ST	1
4	1	CERAMIC PELLET		1
5	1	CAPELLE BODY	ST ST	1
6	1	BODY	ST ST	1
7	1	WINDOW	ST ST	1
8	1	CAP	ST ST	1
9	1	GASKET	SILVER	1

CHKD.	MATERIAL & SPEC	FINISH	TOLERANCES	CONTRACTOR		
				THE RADIOCHEMICAL CENTRE AMERSHAM BUCKS		
APPD.	SEE ITEMS LIST REMOVE ALL BURRS	SURFACE TEXTURE	DIMS. IN	SCALE 4 : 1	TITLE	
						CERAMIC SOURCE FOR INDUSTRIAL NUCLEONICS
DRAWING No. BRC10358/S					D.O.I/MOD	ISSUE DATE
					A	7-6-74

JOB No.
 PROJECT No.
 DRAWN BY
 H.E.L.
 T.C.D.