



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0066/S-96, REVISION 8**

East Building, PHH-23
1200 New Jersey Avenue Southeast
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 - 3M Model 4F6H.
2. Source Description - Cylindrical double encapsulation constructed of K Monel nickel alloy. Approximate outer dimensions are 9.52 mm (0.375 in.) in diameter and 30.1 mm (1.186 in.) in length. Construction shall be in accordance with attached 3M Drawing Nos. 12-1921-2591-7 or 12-1921-2592-5.
3. Radioactive Contents - No more than 0.15 TBq (4 Ci) of Cesium-137 in the form of 3M Brand ceramic microspheres.
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 September 30, 2019.

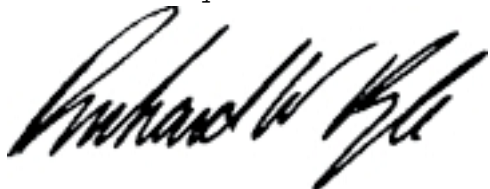
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

CERTIFICATE USA/0066/S-96, REVISION 8


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 September 25, 2014 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:



Oct 03 2014

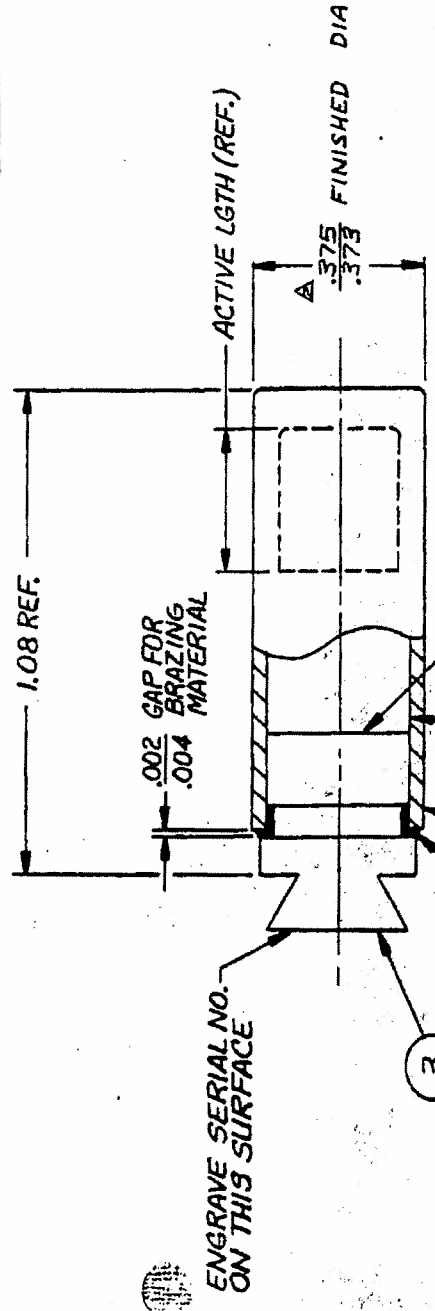
(DATE)

 _____
Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Revision 8 - Issued to extend the expiration date.

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	B-12-1921-2593-3	1	CAPSULE, OUT
2	B-12-1921-2597-4	1	ASS'Y, INNER C
3	B-12-1921-2595-8	1	PLUG, OUTER
4	B-12-1921-3071-9	1	ASSY, WELDED INNER CAPSULE

SEE NOTE
 Δ SEE NOTE



ENGRAVE SERIAL NO. ON THIS SURFACE

SILVER BRAZE ALLSTATE #155 Δ

1

2 Δ

3

PLUG MUST SET FIRMLY ON INNER CAPSULE

USED ON

3M COMPANY 18-72
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TOLERANCE AND SURFACE ROUGHNESS UNLESS NOTED	
OPERATION	PLACES IN DIMENSIONS
MACHINING	.0000
GRINDING	.0005
WELDING	.0010
ANNEALING	.0015
SCALE	4/1

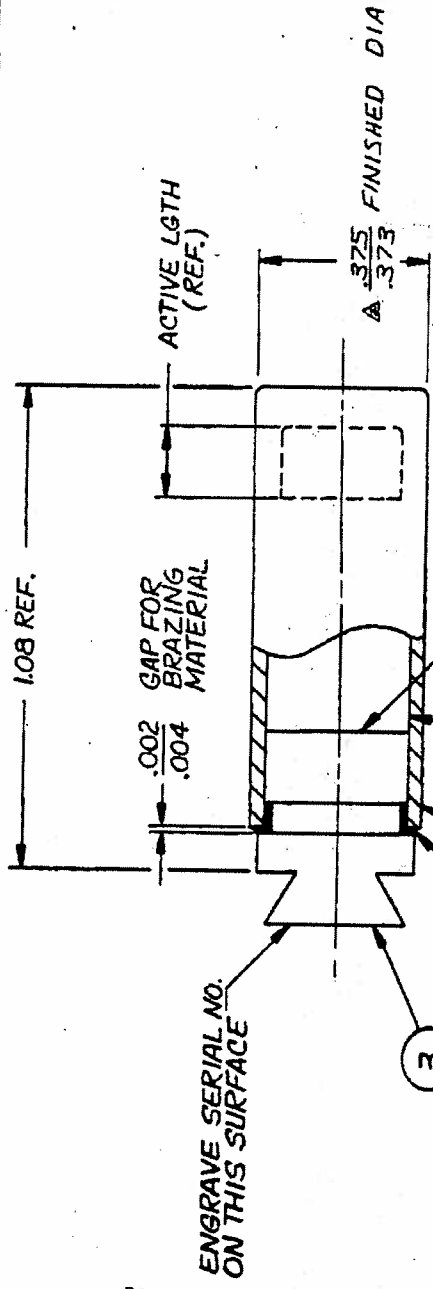
Δ NOTE:
 1. USE ITEM 2 IN PLACE OF ITEM 4
 ONLY WHEN SPECIFIED.

ISSUE	TITLE	DATE	BY	CHK
C	ECO # 81-0064 Δ ADDED	AUG 18 81	JBM	
B	ECO # 80-0186 Δ ADDED	OCT 13 80	JBM	
A	ECO # 79-0047 REDRAWN FROM 1921-1300	JUNE 11 79	JBM	
ISSUE DATE AND CHANGE RECORD				

ASSY SOURCE,
 MODEL 4FGH,
 .30 ACT. LGTH

PART NO. 12-1921-2591-7

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	B-12-1921-2593-3	1	CAPSULE, OUT
2	B-12-1921-2598-2	1	ASS'Y, INNER CAPSULE, .15
3	B-12-1921-2595-B	1	PLUG, OUTER
4	B-12-1921-3069-3	1	ASS'Y WELDED INNER CAPSULE



SILVER BRAZE
ALLSTATE 155 Δ

Δ NOTE:
1. USE ITEM 2 IN PLACE OF ITEM 4
ONLY WHEN SPECIFIED.

USED ON

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TOLERANCE AND SURFACE FINISH UNLESS NOTED	
OPERATION	PLACES IN DIMENSION
MACHINING	.10 .01 .000
WELDING	±.1 ±.08 ±.04
ANGULAR DTL.	±
SCALE	4/1



DR. J.B. WYANDT
CH. E. K. Brown
APP. K. Brown

ISSUE	TITLE	ISSUE DATE AND CHANGE RECORD	APPV.	CHK.
C		AUG 18 01 ECO # 81-0064 Δ ADDED SEP 08 1981		
B		OCT 13 80 ECO # 80-0180 Δ ADDED		
A		JUNE 11 79 ECO # 79-0047 REDRAWN FROM 1921-1300	JBM	

ASS'Y, SOURCE,
MODEL 4FGH,
.15 ACT. LGTH

PART NO. 12-1921-2592-5



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of Transportation

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1200 New Jersey Avenue SE
Washington, D.C. 20590

**Pipeline and
Hazardous Materials
Safety Administration**

CERTIFICATE NUMBER: USA/0066/S-96, Revision 8

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