



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/0066/S-96, REVISION 9

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. 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.
5. Expiration Date - This certificate expires on July 31, 2024. Previous editions which have not reached their expiration date may continue to be used.

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.

CERTIFICATE USA/0066/S-96, REVISION 9

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 July 3, 2019 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:



July 22, 2019

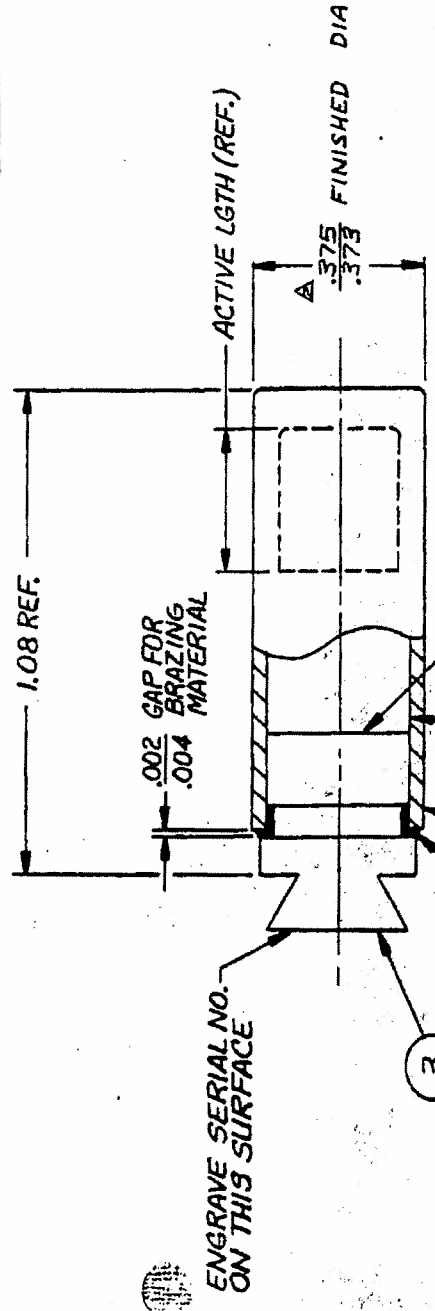
(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 9 - 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



PLUG MUST SET FIRMLY ON INNER CAPSULE

SILVER BRAZE ALLSTATE #155 Δ
 1
 2
 3
 4 SEE NOTE

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	JBS	
B	ECO # 80-0186 Δ ADDED	OCT 13 80	JBS	
A	ECO # 79-0047 REDRAWN FROM 1921-1300	JUNE 11 79	JBS	

USED ON

3M COMPANY 18-72
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OPERATION	TOLERANCE AND SURFACE FINISHES UNLESS NOTED	PLACES IN DRAWING
MACHINING	.0000	✓
WELDING	.0008	
ANGULAR INT.		
SCALE	4/1	

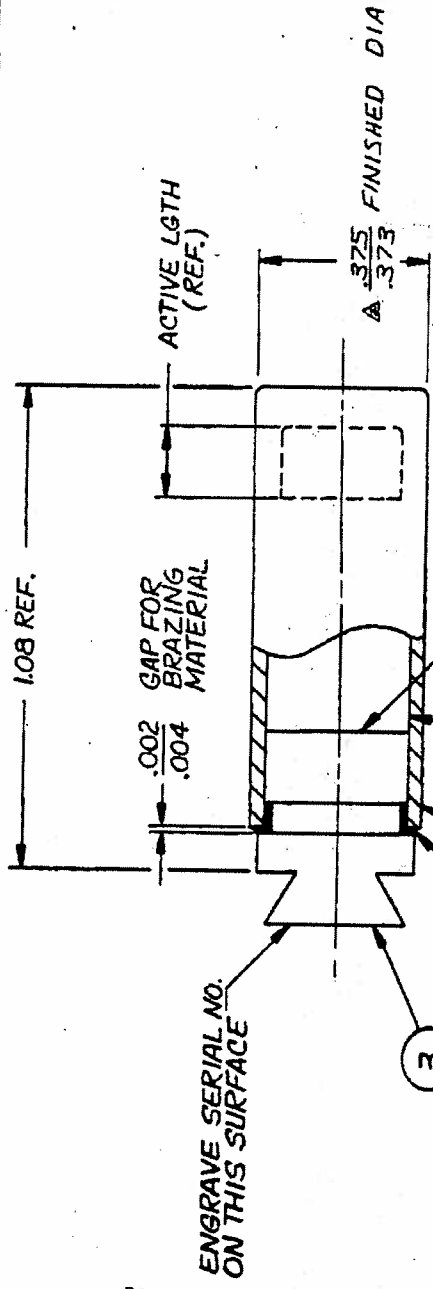


J.B. WYANDT
 CH. F. ...
 APP. R. L. ...

PART NO. 12-1921-2591-7

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

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

USED ON

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OPERATION	TOLERANCE AND SURFACE FINISH UNLESS NOTED	PLACES IN DIMENSION	FINISH
MACHINING	.10 .01 .001	1, 2, 3, 4	RA 1.6
WELDING	2.1 2.08 2.04	1, 2, 3, 4	✓
ANGULAR DTL.	2	2	
SCALE	4/1		

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

ISSUE	TITLE	ISSUE DATE AND CHANGE RECORD	BY
C		AUG 18 01 ECO # 81-0064 Δ ADDED SEP 08 1981	JBM
B		OCT 13 80 ECO # 80-0180 Δ ADDED	JBM
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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Safety Administration**

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

CERTIFICATE NUMBER: USA/0066/S-96

ORIGINAL REGISTRANT(S) :

J.L. Shepherd & Associates
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San Fernando, CA, 91340-1822
USA

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MD-121
Sugar Land, TX, 77478
USA