



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/0077/S-96, REVISION 10

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 4F6S.
2. Source Description - Cylindrical double encapsulation constructed of Type 304 stainless steel and seal welded. Approximate outer dimensions are 12.7 mm (0.5 in.) in diameter and 19.05 mm (0.75 in.) in length. Construction shall be in accordance with attached 3M Company Drawing No. 1921-897.
3. Radioactive Contents - No more than 0.14 TBq (4.0 Ci) of Cesium-137 in the form of 3M Brand Radiating 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 May 31, 2025. 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.

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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 April 15, 2020 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:



May 13, 2020

(DATE)

 William Schoonover
Associate Administrator for Hazardous
Materials Safety

Revision 10 - Issued to extend the expiration date.

INNER CAPSULE
B-1921-2334

OUTER CAPSULE
B-1921-2336

INNER PLUG
B-1921-2331

OUTER PLUG
B-1921-2332

WELD ALL AROUND

LABEL DATA ENGRAVE PER
LABEL SPEC # 85-27.45

3M BRAND
RADIATING MICROSPHERES
MODEL 4F65 CONTAINS
CS-137 ISOTOPE
MODEL 4F3D CONTAINS
Co-60 ISOTOPE

USED ON

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THIS TABLE AND TABLE HEADINGS ARE NOT TO BE USED FOR OPERATIONS

OPERATION	PLACE IN DISPOSITION		UNIT	REMARKS
	NO.	DATE		
INSPECTION	1	1/17/78		
REWORK	1	1/17/78		
REPAIR	1	1/17/78		
DISCARD	1	1/17/78		
TOTAL	4			

3M
St. Paul
Minnesota

PREPARED BY: G. PRESTON
DATE: 1/17/78
APP: G. PRESTON

NOV 17 78 JAN 03 81
REDRAWN
ISSUE DATE AND CHANGE RECORD
REV. CH

ASSY VOLUME SOURCE
MODEL NO. 4F65-4F3D

PART NO. 1921-897



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1200 New Jersey Ave, SE
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CERTIFICATE NUMBER: USA/0077/S-96

ORIGINAL REGISTRANT(S) :

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San Fernando, CA, 91340-1822
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Houston, TX, 77032
USA

New Tech Systems
P.O. Box 60276
Midland, TX, 79711
USA

Guardian A Shawcor Company
950 78 Avenue
Alberta, ZZ, T6P 1L7
Canada

Schlumberger
300 Schlumberger Drive
MD-121
Sugar Land, TX, 77478
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