



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/0071/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 4D6L capsules manufactured prior to August 3, 1989.
2. Source Description - Cylindrical double encapsulation made of Type 304 stainless steel and inert gas seal welded. Approximate exterior dimensions are 12.7 mm (0.5 in.) in diameter and 38.1 mm (1.5 in.) in length. Construction shall have been in accordance with attached 3M Drawing No. 12-1921-0737-8.
3. Radioactive Contents - No more than 0.37 TBq (10 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 April 30, 2029. 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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CERTIFICATE USA/0071/S-96, REVISION 10

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 8, 2024 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:



 William Schoonover
Associate Administrator for Hazardous
Materials Safety

April 30, 2024

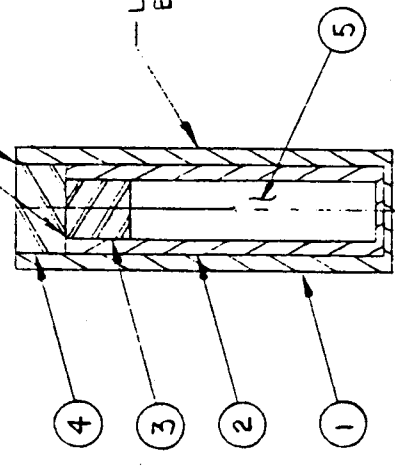
(DATE)

Revision 10 - Issued to extend the expiration date.

04/11

USA 100 11/5

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LABEL DATA
ENGRAVE AS REQUIRED

ITEM	QTY	PART NO.	DESCRIPTION
1	1	B-12-1921-3487-7	OUTER CAPSULE
2	1	B-12-1921-3488-5	INNER CAPSULE
3	1	B-12-1921-2331-8	INNER PLUG
4	1	B-12-1921-2332-6	OUTER PLUG
5	AR		3M BRAND RADIATING MICROSPHERES CONTAINING CS-137

USED ON

3M COPYRIGHT 19 12

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TOLERANCE AND SURFACE ROUGHNESS UNLESS NOTED

OPERATION	PLACES IN DIMENSION	MAXIMUM SURFACE ROUGHNESS
MACHINING	±.1 ±.0000	±.0000
CUT OFF (SAW, BURR, SLANT)	±.1 ±.04	±.0000
WELDING	±.1 ±.00	±.0000
ANGULAR DIM	±	±
SCALE	2X	APP.

3M

Engineering Division / 3M St Paul, Minnesota 55101

DR. CHUCK ZENDER

CHK.

APP.

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OCT 27, 82

ECO B2-0080

REDRAWN FROM

H 2-321-0737-2 G

ISSUE

ISSUE DATE AND CHANGE RECORD

REV.

TITLE

ASSEMBLY

VOLUME SOURCE

4D6L

PART NO.

12-1921-0737-8



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Transportation

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CERTIFICATE NUMBER: USA/0071/S-96

ORIGINAL REGISTRANT(S) :

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USA