



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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0419/S-96, REVISION 5**

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 4P6E source capsules manufactured prior to August 3, 1989.
2. Source Description - Cylindrical double encapsulation constructed of Type 304 stainless steel and tungsten inert gas welded. Approximate outer dimensions are 7.1 mm (0.28 in.) in diameter and 19.1 mm (0.75 in.) in length. Construction shall be in accordance with attached 3M Company Drawing No. 12-1921-0683-4.
3. Radioactive Contents - No more than 74.0 GBq (2.0 Ci) of Cesium-137 in the form of 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 October 31, 2020.

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/0419/S-96, REVISION 5

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 October 06, 2015 petition by J.L. Shepherd & Associates, San Fernando, CA, and in consideration of other information on file in this Office.

Certified By:

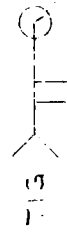
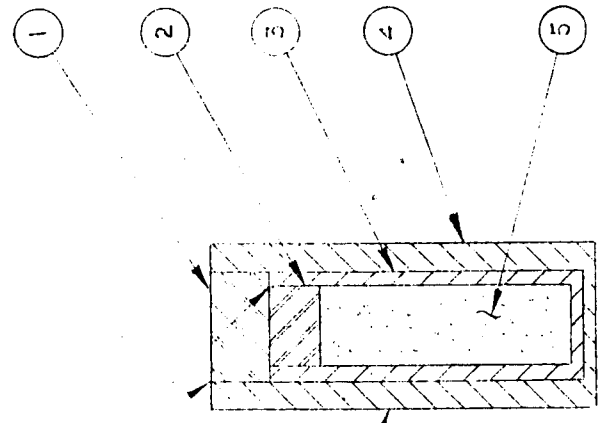


Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Oct 13 2015
(DATE)

Revision 5 - Issued to extend the expiration date.

ITEM	QTY	PART NO.	DESCRIPTION
1	1	B-12-1921-3489-3	OUTER PLUG
2	1	B-12-1921-3490-1	INNER PLUG
3	1	B-12-1921-3522-1	INNER CAPSULE
4	1	B-12-1921-3523-9	OUTER CAPSULE
5	AR		3M BRAND RADIATING MICROSPHERES CONTAINING Cs-137 ISOTOPE



LABEL DATA
ENGRAVE AS REQ



USED ON

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OPERATION	PLACES IN DIMENSION		MAXIMUM ROUGHNESS
	.0	.00	
MACHINING	±.1	±.02	±.005
CUT-OFF SAW, BURST, SHEAR	±.1	±.04	///
WELDING	±	±	±
ANGULAR DIM.	±.1	±.06	DR. CHUCK ZENDER
SCALE	4X	CH. DRAKE	APP. <i>St. Paul, Minn.</i>

F	NOV 2, 82 ECO 82-0080 DRAWN FROM B-63 REV 5	REV.	CHG.
ISSUE	ISSUE DATE AND CHANGE RECORD	REV.	CHG.

TITLE
ASSEMBLY
VOLUME SOURCE
4 PGE

PART NO. 12-1921-0683-4



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of Transportation

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Washington, D.C. 20590

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Hazardous Materials
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CERTIFICATE NUMBER: USA/0419/S-96, Revision 5

ORIGINAL REGISTRANT(S):

Ms. Mary Shepherd
Vice President
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San Fernando, 91340-1822
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