



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0263/S, REVISION 3**

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 materials.

1. Source Identification - Monsanto Research Corp. Model No. 24195 sources manufactured prior to December 1, 2001.
2. Source Description - The source is a cylindrical, double encapsulation constructed of Type 304 stainless steel with closure by tungsten inert gas welding. It is 7.6 mm (0.3") in diameter and 10.2 mm (0.4") long. An optional bent circular spring, spring washer, or disc may have been inserted into the outer capsule to prevent rattling. Source must have been constructed and must remain in compliance with Monsanto drawing no. A24195-AA00, Rev. 1 (attached).
3. Radioactive Contents - This neutron source consists of not more than 7 GBq (0.19 Ci) of Americium 241 or Plutonium 238 as an oxide mixed with beryllium, boron, lithium, or fluorine.
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 and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires December 1, 2006.

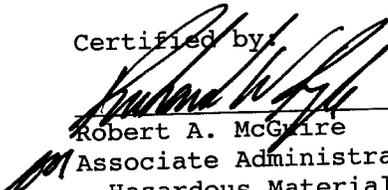
1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

CERTIFICATE USA/0263/S, REVISION 3

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 petition and information dated October 15, 2001 submitted by Troxler International, Research Triangle Park, NC, and in consideration of other information on file in this Office.

Certified by:



Robert A. McGuire

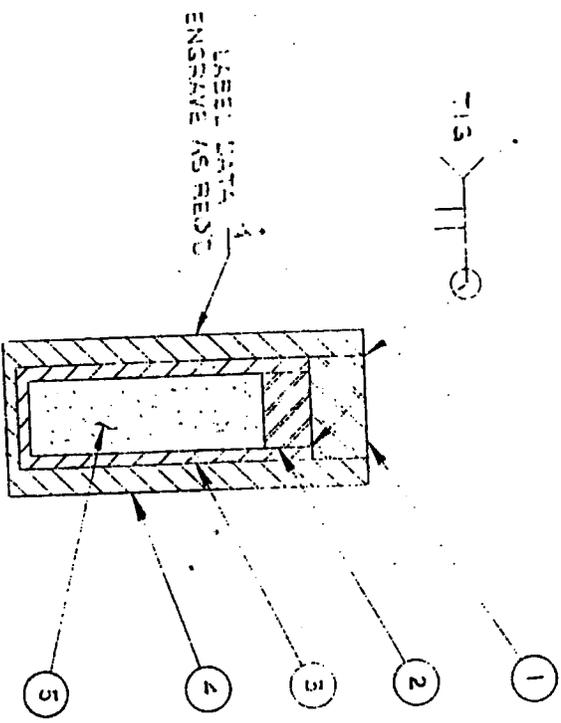
Associate Administrator for
Hazardous Materials Safety

DEC - 3 2001

(DATE)

Revision 3 - Issued to include the requirements of the 1996 edition of the IAEA transport regulations and 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-12-1921-3522-2	OUTER CAPSULE
5	AR		3M BRAND RADIIATING MICROSPHERES CONTAINING Cs-137 ISOTOPE



1:5

USED ON

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OPERATION	TOLERANCE AND SURFACE FINISH UNLESS NOTED	PLACES IN DIMENSION	3M
MACHINING	±.1	±.02	✓
CHUCK OFF (SAND BLAST)	±.1	±.04	
WELDING	±.1	±.06	
ANGULAR DIM.	±	CH. DR. CHUCK ZENDER	
SCALE	4X	APP. R. S. H. W. 2/55	

ISSUE	ISSUE DATE AND CHANGE RECORD	REV.	CHG
F	NOV 2, 82 ECO B2-0080 DRAWN FROM B-683 REV 5		CD
ASSEMBLY VOLUME SOURCE 4PAGE			
PART NO. 12-1921-0683-4			