



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0049/S, REVISION 4**

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and United States of America² for the transport of radioactive materials.

1. Source Identification - Monsanto Research Corporation Model No. 2700 Series, consisting of Model Nos. 2701 through 2706.
2. Source Description - Cylindrical double encapsulation made of Type 304 stainless steel and sealed using tungsten inert gas fusion welding. Approximate outer dimensions are 11.1 mm (0.437 in.) to 31.8 mm (1.25 in.) in diameter and 19.1 mm (0.75 in.) in length. The inner and outer capsules each have a stainless steel end window 0.127 mm (0.005 in.) thick. Construction shall be in accordance with attached Monsanto Research Corporation Drawing No. B2701-AA00.
3. Radioactive Contents - No more than the following listed values of Americium-241. The Am-241 dioxide powder is mixed with an Aluminum powder.

<u>Model</u>	<u>Activity in GBq (Ci)</u>
2701	5.55 (0.15)
2702	8.88 (0.24)
2703	23.3 (0.63)
2704	52.9 (1.43)
2705	72.2 (1.95)
2706	95.8 (2.59)

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. Special Conditions -
 - a. This certificate is only valid for disposal of sources, including transport of sources to locations pending disposal.
 - b. This certificate is only valid for surface transport (rail or highway), unless transported in an approved Type B package.
6. Expiration Date - This certificate expires on June 30, 2004.

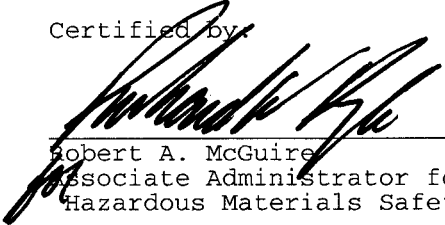
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

CERTIFICATE USA/0049/S, REVISION 4

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 January 21, 2004 submitted by R.M. Wester & Associates, Inc, St. Peters, MO, and in consideration of other information on file in this Office.

Certified by:



Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

FEB 27 2004

(DATE)

Revision 4 - Issued to authorize disposal of sources.

