



DEPARTMENT OF TRANSPORTATION
MATERIALS TRANSPORTATION BUREAU
WASHINGTON, D.C. 20590
IAEA CERTIFICATE OF COMPETENT AUTHORITY

RECEIVED
MARCH 17 1977
TO
HARRIS

Special Form Radioactive Material Encapsulation

Certificate Number USA/0030/S
(Revision 1)

This certifies that the encapsulated source, as described when loaded with the authorized radioactive contents, has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in IAEA^{1/} and USA^{2/} Regulations for the transport of radioactive materials.

I. Source Description - The source described by this certificate is identified as USAEC Savannah River Laboratory Neutron Source Primary Capsule SR-Cf-1X or Monsanto Research Corporation, MRC Capsule Model A-2765-AA00. The capsule is a right cylinder 0.217" diameter by 0.980" long of stainless steel or zircaloy-2 with a minimum wall thickness of 0.031".

II. Radioactive Contents - The authorized radioactive contents of this source consist of no more than 1.3 Ci of Californium-252 as Californium-Palladium cermet.

III. This certificate, unless renewed, expires April 30, 1980.

This certificate is issued in accordance with Marginal C-6.1 of the IAEA Regulations^{1/}, and in response to the March 5, 1974 and February 16, 1977 petitions by the Monsanto Research Corporation, Dayton, Ohio and in consideration of the associated information provided in USAEC Savannah River Operations Report "252 Cf Source and Shipping Capsule Assembly Design," Appendix E dated October, 1973.

Certified by:

A. W. Grella
A. W. Grella, Chief
Technology Division
U. S. Department of Transportation
Office of Hazardous Materials Operations
Washington, D. C. 20590.

March 16, 1977
(DATE)

^{1/} "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1967 Edition", Published by the International Atomic Energy (IAEA) Vienna, Austria.