



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/0236/S-96, REVISION 7

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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - SR-CF-3000 and OR-CF-3000 series neutron sources.
2. Source Description - The sources described by this certificate are TIG-welded double encapsulations with external dimensions of 9.4 mm (0.37 in.) diameter and 53.4 mm (2.1 in.) length. The inner capsule is constructed of a 90 wt% platinum and 10 wt% rhodium alloy. The outer capsule is constructed of Type 304L stainless steel or Zircalloy-2. One end of the outer capsule is threaded to allow the attachment of various handling devices. Construction shall be in accordance with the attached drawing titled "The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source".
3. Radioactive Contents - These neutron sources are authorized to contain up to 1.0 TBq (27 Ci) of Californium-252 as an oxide.
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.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0236/S-96, REVISION 7**


5. Expiration Date - This certificate expires on August 31, 2026. Previous editions which have not reached their expiration date may continue to be used.

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 August 12, 2021 petition by Department of Energy, Washington, DC, and in consideration of other information on file in this Office.

Certified By:



August 26, 2021  
(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 7 - Issued to extend the expiration date.

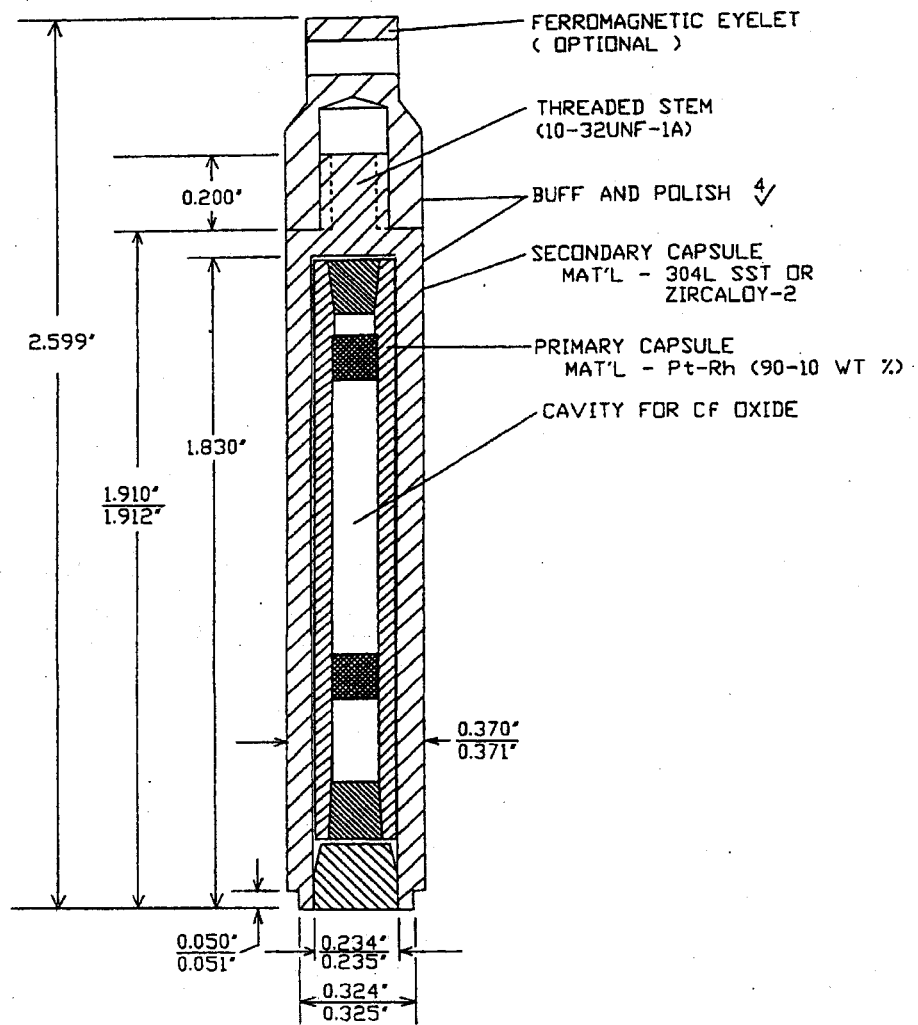


Figure 4. The primary and secondary capsule components (assembled) of the SR-Cf-3000 Series Source.



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**CERTIFICATE NUMBER:** USA/0236/S-96

**ORIGINAL REGISTRANT(S) :**

Department of Energy  
U.S. Department of Energy  
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