



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/0514/S-96, 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 Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive material.

1. Source Identification - Gammatron Model NSR-U.
2. Source Description - Cylindrical double encapsulation constructed of MP35N (outer encapsulation) and 17-4 stainless steel (inner encapsulation) and heliarc seal welded. Approximate outer dimensions are 16.0 mm (0.630 in.) in diameter and 122.8 mm (4.835 in.) in length. Construction shall be in accordance with attached Gammatron Drawing No. A-2080, dated 11/1/95.
3. Radioactive Contents - No more than 0.444 TBq (12.0 Ci) of Americium-241 in the form of an oxide mixed with beryllium metal powder.
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.
5. Expiration Date - This certificate expires on January 31, 2028. Previous editions which have not reached their expiration date may continue to be used.

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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/0514/S-96, REVISION 3**

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 January 24, 2023 petition by Gammatron, Houston, TX, and in consideration of other information on file in this Office.

Certified By:

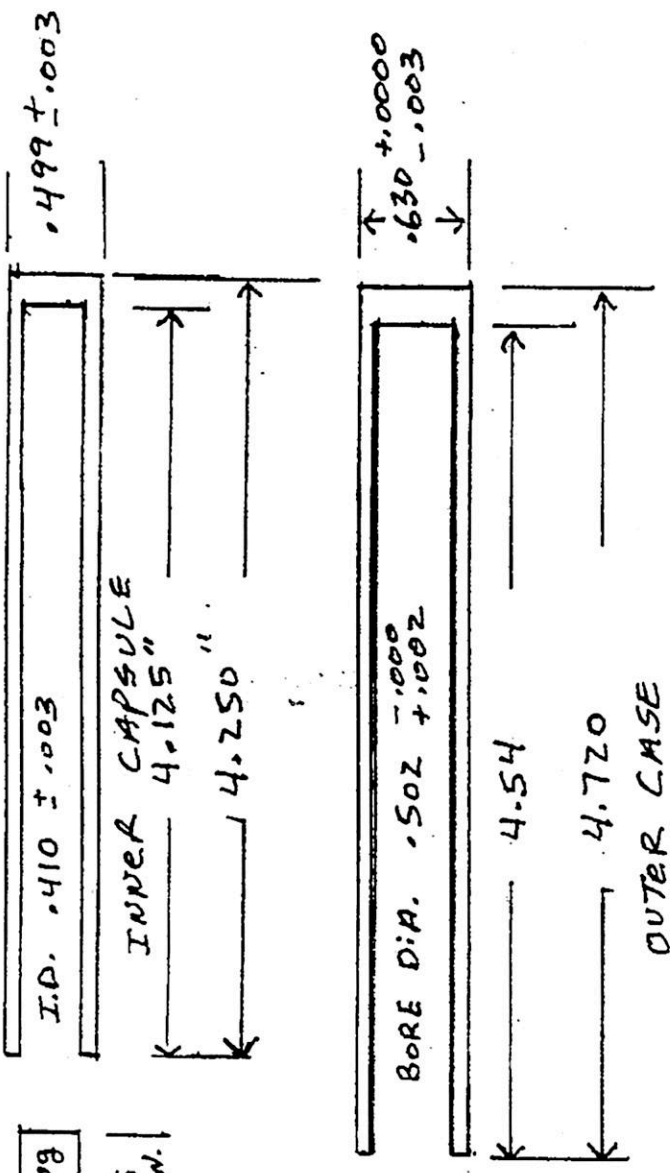


January 31, 2023

(DATE)

 William Schoonover  
Associate Administrator for Hazardous  
Materials Safety

Revision 3 - Issued to extend the expiration date.



BORE DIA. ±.0005  
To ±.001

DRILL .300 DIA.  
hole .300 deep  
FOR WELD PREP &  
FREE SPACE.

# GAMMATRON

SCALE: NONE	APPROVED BY: DCS	DRAWN BY: DCS
DATE: 11/1/95		MATL: MP35N
FN-HP		INNER CAPSULE 17-4 H1050
.625 DIA. X 4.835 LONG		DRAWING NUMBER: A-2080

USE SPECIFICATION SHEET SS-2080 AND SCHLUMBERGER "ENGINEERING SPECIFICATION - SUPERALLOY MP35N ROUND BAR" WITH THIS DRAWING.



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**CERTIFICATE NUMBER:** USA/0514/S-96

**ORIGINAL REGISTRANT(S) :**

Gammatron  
5703 Etheridge St  
Houston, TX, 77087  
USA