



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0514/S-96, REVISION 1**

East Building, PHH-23
1200 New Jersey Avenue Southeast
Washington, D.C. 20590

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 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. 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 in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on February 28, 2018.

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.

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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 January 16, 2013 petition by Gammatron, Houston, TX, and in consideration of other information on file in this Office.

Certified By:

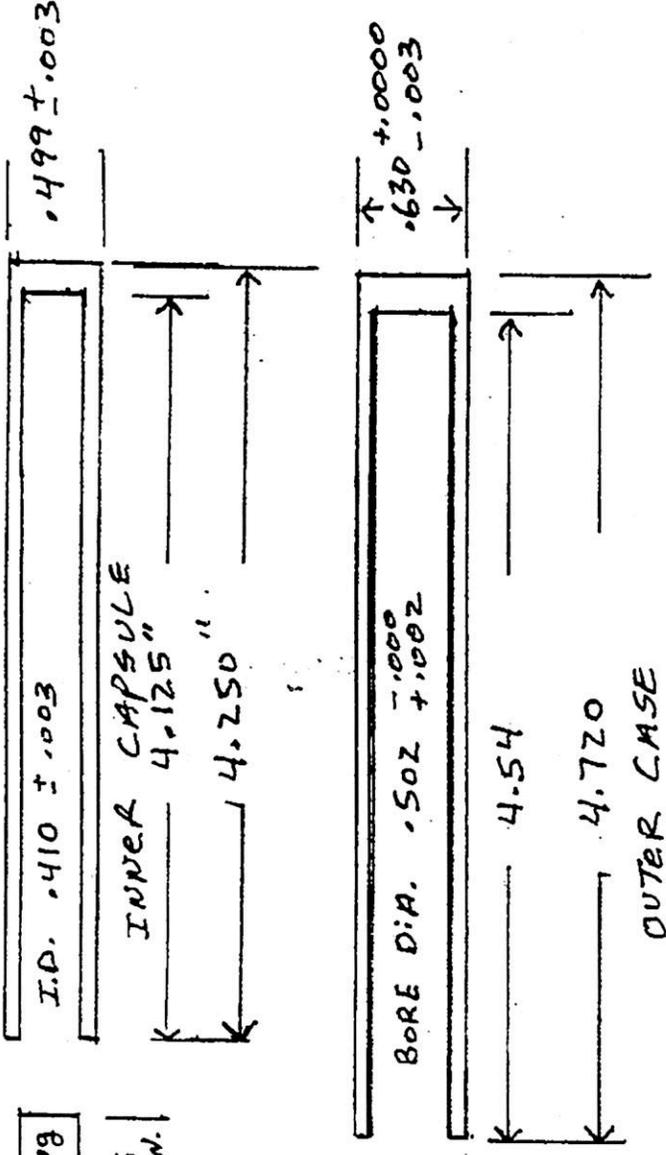


Feb 22 2013

(DATE)

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Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to renew the expiration date and to revise the model name.



.499 ± .003

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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ORIGINAL REGISTRANT(S):

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