



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

East Building, PHH-23  
1200 New Jersey Ave, SE  
Washington, D.C. 20590

February 10, 2020

Dr. James M. Shuler  
Manager, Packaging Certification Program  
Department of Energy  
U.S. Department of Energy  
1000 Independence Ave, SW  
EM-60  
Washington, DC, 20585  
USA

Dear Dr. James M. Shuler,

As your February 5, 2020 letter requested, Department of Energy has been registered as a user of IAEA Certificate of Competent Authority USA/0376/S-96 for the Gammatron AN-HP Series Model 9. The source described in the attached certificate has demonstrated its ability to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the United States of America and the International Atomic Energy Agency.

A copy of the certificate is enclosed. All future revisions of the certificate will be forwarded to Department of Energy at James.Shuler@em.doe.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Richard W. Boyle".

Richard W. Boyle, Chief  
Radioactive Materials Branch  
Office of Engineering and Research



U.S. Department  
of Transportation  
**Pipeline and  
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**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE USA/0376/S-96, REVISION 7**

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

1. Source Identification - Gammatron AN-HP Series Model 9.
2. Source Description - Cylindrical double encapsulation constructed of Type 17-4 stainless steel and seal welded. Approximate outer dimensions are 25.4 mm (1.0 in.) to 38.1 mm (1.5 in.) in diameter and 25.4 mm (1.0 in.) to 101.6 mm (4.0 in.) in length. Construction shall be in accordance with attached Gammatron Drawing No. A-2050.
3. Radioactive Contents - No more than 0.222 TBq (6.0 Ci) of Americium-241 oxide combined with beryllium, boron, or lithium powder.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> 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 November 30, 2020.

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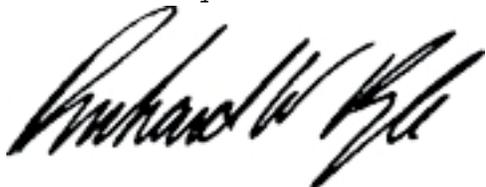
<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

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

**CERTIFICATE USA/0376/S-96, REVISION 7**

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 November 18, 2015 petition by Gammatron, Houston, TX, and in consideration of other information on file in this Office.

Certified By:

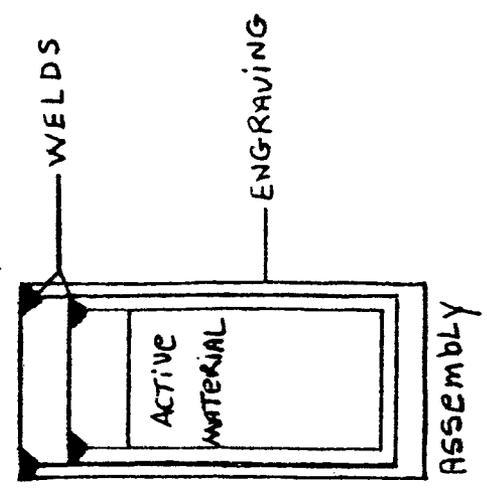
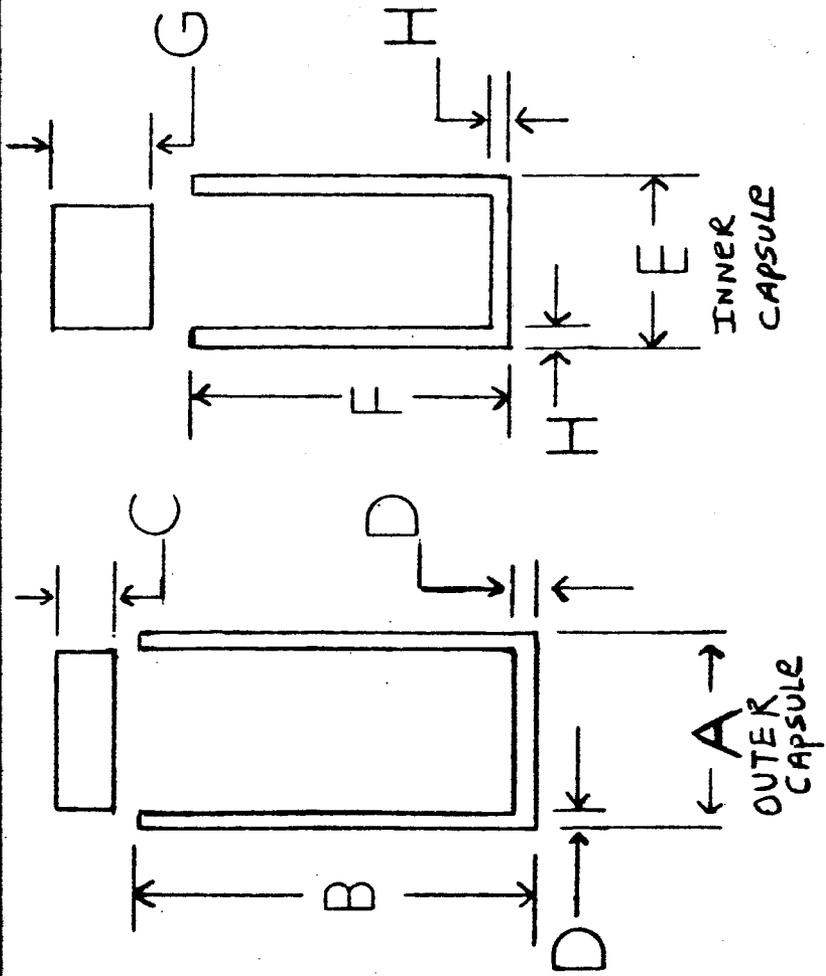


**Dec 02 2015**

(DATE)

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

Revision 7 - Issued to extend the expiration date.



- A 1.00 min. to 1.5" max.
- B 1.00 min. to 4.0" max.
- C .070 min. to .60 max.
- D .050 minimum
- E .900 min. to 1.380 max.
- F 1.00 minus C + D minimum  
4.00 minus C + D maximum
- G .200 minimum
- H .045 minimum

USE THIS DRAWING WITH SPECIFICATION  
SHEET SS - 2050

# GAMMATRON

SCALE: NONE  
DATE: 4/84

APPROVED BY

DRAWN BY DCJ

AN-HP

PHYSICAL SIZE - 1 to 1-1/2 OD  
1 to 4" Long  
DRAWING NUMBER  
A-2050



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**CERTIFICATE NUMBER:** USA/0376/S-96

**ORIGINAL REGISTRANT(S) :**

Gammatron  
P.O. Box 266677  
Houston, TX, 77207-6677  
USA

**REGISTERED USERS:**

Department of Energy  
U.S. Department of Energy  
1000 Independence Ave, SW  
EM-60  
Washington, DC, 20585  
USA