



Radiation Products Design, Inc.

Item 067-650 Certification of Radiation Container

Items 067-650 have been manufactured under the following code of Federal Regulations Title 49 Transportation.

- A. 173.411 General Design Requirements.
- B. 173.412 Additional Design Requirements for Type A Packages.
- C. 173.463 Packaging and Shielding - Testing for Integrity
- D. 173.465 Type A Packing Tests
 - 1. Water Spray Test
 - 2. Free Drop Test (4 feet)
 - 3. Drop test on rim
 - 4. Compression test
 - 5. Penetration test
 - 6. This re-usable Type A packaging is designed and tested for the safe transport of Sealed Radiation Sources by road, Air- Cargo Aircraft Only, Sea and inland waterways. The packaging has been tested and certified according to the requirements of the IAEA Regulations for the Safe Transport of Radioactive Material TS-R-1 (ST-1, As Amended 2003).

The packing consist of:

- A 15 liter plastic container, which is closed by an easy to use lid. The container can be opened or closed by rotating, when opening press and hold the ratchet in. The Lid incorporates a o-ring waterproof seal. This lid can be sealed using a tamper resistant stranded metal seal.
- Inside the plastic container is four removable ethafoam insert for shock protection.
- Inside the insert is a 3mm thick steel container with a screw on lid, inside is a interlocking pig with side shielding of 35mm, top shielding of 37mm and bottom shielding of 30mm of lead inside. The source holder is Stainless Steel with 9 holes for sources 3.17 mm diameter x 30 mm long. The design is user friendly, easy to clean yet very robust. Threaded lid is easily opened behind body shield.
- Labels are secured to outside of container.
- For security attach label to inside of cover with emergency contact information.

Items 067-650 meet all design requirements and has passed all type A packaging tests. Tests were conducted by Howard D. Larson on January 15, 1999.

Howard D. Larson
President
Radiation Products Design, Inc.

Date: 1/15/1999

**5218 Barthel Industrial Drive NE – Albertville, MN 55301
Phone: 763-497-2071 or 800-497-2071 Fax: 763-497-2295**