



CERTIFICATE OF COMPLIANCE FOR NUCLEAR MEDICINE SHIPPING SYSTEMS
D.O.T. SPECIFICATIONS 7A, TYPE A

1. Package Identification:

Common Name: Nuclear Medicine Shipping Systems

Catalog Name: Double Dose Cartridge Shipping System – Cartridge with Tungsten Shield

Model No: 001-796

2. Preamble:

- a) This certificate is issued to satisfy section 178.350 including sections 171.2, 173.403, 173.410, 173.411, 173.412, 173.415, 173.431, 173.465, 173.466 and 178.608 of the Department of Transportation, Hazardous Materials Regulations (49 CFR).
- b) The packaging and contents described in item 3 below were found to meet the safety standards set forth in, and tested, according to the more stringent recommendations for general performance testing from:

IATA Dangerous Goods Regulations, 65th Edition Sections 5.0.4.3, 10.5, and 10.6.1 thru 10.6.3.5.
49 CFR as listed in item 2a above.
- c) This certificate does not release the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. Descriptions of Packaging and Authorized contents, Other Conditions, and References:

- a) **Outer Container:** Model #001-692
Sewed Nylon Cloth and Cardboard Shell

Dimension: 11.5" x 5.75" x 10.5" with polyethylene foam cushioning
Lid is hinged and case has two (2) zippers that meet for closure.
A safety seal can connect the two zippers as tamper proof evidence.
Case has handles for lifting and carrying.
- b) **Shielded Insert:** Model #001-796-C205 and 001-796-A015
Contour lead shield with open top and more lead in the vertical center
with threaded ring and a stainless screw in top with a cast lead insert
Shielding: Bottom 1.56" Top 1.665"
Sides vary depending on location from 0.907" to 1.56"



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- c) **Two PET Unit Dose Cartridge Shields:**
Model #001-696 Tungsten shield to hold one cartridge
Tungsten shield 0.343" thick on the side of shield
(System accepts 2 shields each with one cartridge)
- d) **Absorbent Material:** Model #001-796-M302
absorbent material in the bottom of each cavity
- e) **Cartridge:** Supplied by Trasis, holds radioactive isotope

Authorized Contents:

Normal Form Radioactive Materials in Type A quantities
Tested with F-18, 408 mCi and 395 mCi in appropriate parts of the shield as Yellow II.
Must comply with A₂ value limits from 49CFR 173.435.

Specifications and Restrictions:

Ground or Air Transportation

4. **This certificate is issued on the basis of the test results and safety analysis of the package design.**

5. **Certification**

This document is to certify that to the best of our knowledge, information and belief, the construction methods, the packaging design, and the materials of construction for this specification package comply with the standards described in items 2a, 2b, 2c herein. Any deviation from these conditions must be approved prior to use.

Approved:

Chris Wilczynski
Site Manager, Florham Park • Capintec

Date: 02-14-2024