



**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: Compact PET Shipping System for Three Unit Dose Pigs

Model No: 001-739

**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 2 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, 65<sup>th</sup> Edition Sections 5.0.4.3, 10.5, and 10.6.1 thru 10.6.3.5  
49 CFR as listed in item 1a 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) **Shipping Container:** Model #001-783-A000 DOT Approved Shipping Container  
ZERO Manufacturing, p/n: ZRC0808-1002, medium density polyethylene

**Dimension:** 11.75" x 11.75" x 12.75" with high density polyethylene foam cushioning and insert support weldment with two locking twist hasps and a hinged lid. Case has two handles. A safety seal can be put thru the hasp and the stand-off for tamper proof evidence. Case lid has 0.25" lead in it and the bottom of the case has 0.125" of lead.

b) **Shielded Insert:** Model #001-739-C200  
Contour lead shield with open top and bottom and more lead in the vertical center. Contoured lead thickness varies from 0.151" to 1.23".

c) **PET Unit Dose Pig:** Model #001-785  
0.065" polycarbonate with .5" lead with single turn twist lock top, and 1.2" lead in bottom and an integral plastic liner.



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- d) **Absorbent Material:** Model #001-771  
3" x 3" Quick Solid material in the bottom of each pig.
- e) **Syringe:** B-D or Monoject plastic 3 ml or 5/6 ml Syringe with Needle

**Authorized Contents:**

Normal Form Radioactive Materials in Type A quantities

Tested with F-18 (syringes 1 to 3 listed below) in appropriate parts of the shield as Yellow II.

Syringe #1	237 mCi
Syringe #2	153.3 mCi
Syringe #3	148.2 mCi

Must comply with A<sub>2</sub> value limits from 49CFR 173.435.

**Specifications and Restrictions:**

Ground or Air Transportation

**4. This certificate is issued based on 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