

Certificate of Compliance for Radioactive Materials Packages IAEA Specifications SSR-6 (2018) for Type A Packaging and D.O.T. Specifications 7A, Type A

Certification Number: CC25002, Rev. 1.0

Part Number: SH-SYS-UDS-12ML

1. PACKAGE IDENTIFICATION

Part Number: SH-SYS-UDS-12ML

Description: Eichrom Shipping System for (2) Unit Dose Shields, Includes Case and (2), 12 mL, Unit Dose Shields, 63 lb

2. PREAMBLE

- a. This certificate is issued to satisfy section 635, including sections 607 through 621 and 635 through 651 of IAEA No. SSR-6 (Rev 1) Regulations for the Safe Transport of Radioactive Material, 2018 edition.
- b. 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, 173.461 through 173.466, 178.608, and Subpart K of Part 178 of the DOT Hazardous Materials Regulations (49CFR).
- c. The packaging and contents described in Item 4 below were found to meet the safety standards set forth in and tested, according to the more stringent recommendations for general performance testing from:
 - IAEA Regulations for the Safe Transport of Radioactive Material, 2018 edition, as listed above;
 - IATA Dangerous Goods Regulations, 64th Edition Sections 5.0.4.3, 10.5, 10.6.0 through 10.6.3.5;
 - 49 CFR as listed in item 2b above
- d. This certificate does not relieve the consignor from compliance with any requirement of the regulations of the applicable regulatory agencies, including the government of any country through or into which the package will be transported.
- e. This certificate does not relieve the consignor from compliance with any requirement of the U.S. Department of Transportation regulations.

3. DESCRIPTIONS OF PACKAGING:

- a. Outer Container: Linear Low-Density Polyethylene shell with crosslinked polyethylene foam cushioning and zinc-plated steel hardware
- b. Shielded Insert: Lead casting with two holes for Syringe Shields. The lead thickness varies from 0.55 inches to 1.27 inches. Stainless steel sleeves in holes. Stainless steel cover plates on top.
- c. Syringe Shield: Lead is fully encased in stainless steel with a rubber O-ring seal. The lead thickness is 1.50 inches on the top and bottom and 0.48 inches on sides. Eichrom part number SH-UDS-12ML
- d. Syringe: B-D or Monoject plastic 3, 5, 6, 10, or 12 mL syringe with needle and cap or luer cap
- e. Overall dimensions: 8.5 inches X 10 inches wide X 12.25 inches tall
- f. Overall weight: 63 lb

4. AUTHORIZED CONTENTS

- a. Normal Form Radioactive Materials in Type A Quantities
- b. Must comply with A2 value limits from IAEA 430 or 49 CFR 173.435

5. OTHER CONDITIONS AND REFERENCES:

- a. Specifications and Restrictions
 - i. Ground or Air Transportation
 - ii. The package shall be shipped in a vertical orientation.

6. THIS CERTIFICATE IS ISSUED BASED ON THE TEST RESULTS AND SAFETY ANALYSIS OF THE PACKAGE DESIGN.

- a. Part number SH-SYS-UDS-12ML demonstrates compliance with tests according to 173.461 paragraph 2. Part number SH-SYS-UDS-12ML is of a sufficiently similar nature to part number SH-SYS-UDS-ST. Part number SH-SYS-UDS-ST demonstrates compliance with tests by performance testing shown in Test Report 2403-0106S.
- b. Guidance for definitions of sufficiently similar nature is provided by 178.601(G) Testing of Non-bulk Packagings and Packages – General Requirements – Selective Testing, Variations (1) and/or (4).

7. CERTIFICATION

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

Approved:



Sarah McAlister
Quality Manager
Eichrom Technologies, LLC
Date

15-JUL-2025