ZACROS

Periodic Compliance Report Form 4G

Ref: WI LA 038

Original - Periodic Retest File

Date of Periodic Test 9/11/2025` , Zacros America

Periodic Retest Report # **25-065**

Ref. Original Design Report # 301

Materials: See attached specifications list

Specification No. **CUA5908, CUA1677,CUA9777**

Description 10L Cubitainer w/ 38mm Hybrid Tube

See attached specifications.

A. Closure Torque

Closure application torque of 25 in/lb was used for all tests.

B. Flap Closure Method

Hot Glue

C. Dustcover Installation - COM0943 (Only required for Cubitainer)

Dustcover was secured in top flap using 3m tape # 375 , 48mm wide.
The tape extends 2" side panels of the box.

Procedure:

A. 0° Drop Test (CFR 49 Sec. 178.603)

Five samples were filled to no less than 98% capacity with a water / propylene glycol solution (sp.gr. 1.0g/mL minimum) and conditioned in a freezer until container and contents were reduced to -18°C or lower. After conditioning each sample was dropped from a height of 1.5 meters onto a surface using various attitudes.

* All paper & fiberboard packagings were conditioned for 24 hours at 50% RH / 23°C.

B. Stacking Test (CFR 49 Sec. 178.606)

Three samples were filled to no less than 98% capacity with water and subjected to a load of 400 lbs each for 24 hours.

* All paper & fiberboard packagings were conditioned for 24 hours at 50% RH / 23°C.

C. Vibration Test (CFR 49 Sec. 178.608)

Three samples were filled to no less than 98% capacity with water and subjected to one (1) hour vibration test each.

Results:

A. Drop Test

Sample	Attitude	Result (Pass or Fail)
1	Flat on Bottom	Pass
2	Flat on Top	Pass
3	Flat on Long Side	Pass
4	Flat on Short Side	Pass
5	On a Corner	Pass

B. Stacking Test (passed / failed, without / by)

The three samples passed the stacking test without becoming unstable or leakage.

C. Vibration Test (passed / failed, without / by)

The three samples passed the vibration test without becoming unstable or leakage.

Tested By: Dyer Weathers
Signature

Comments and Conclusions:

1. This combination packaging meets all periodic test requirements of Category 4G for Packing Group II substances having a specific gravity of 1.5 or less and all packagings covered by this report may continue to be marked as follows:

un **4G / Y16 / S / ***
USA / M6270

* *last 2 digits, year of mfg.*

2. This combination packaging is due for periodic retest prior to 9/11/2027 .

Approved by: Dyer Weathers

Title: Project Engineer

Attached:

Stack Test Calculations
UN Mark Drawing Number DoT Y16
Specifications
Height, Weight, and Overflow Measurements
Thickness Map
Photograph

Throw out date 9/11/2027 (2 years from test date)