



Periodic Compliance Report Form 4G

Ref: WI LA 038

Original - Periodic Retest File

Date of Periodic Test 9/18/2025, Zacros America

Periodic Retest Report # 25-076

Ref. Original Design Report # 305

Materials: See attached specifications

Specification No. CUA8520, CUA7263

Description 20L 38mm Hybrid Top Handle Cubitainer

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 665 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

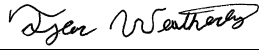
| Sample | Attitude | Result (Pass or Fail) |
|--------|--------------------|-----------------------|
| 1 | Flat on Bottom | Passed |
| 2 | Flat on Top | Passed |
| 3 | Flat on Long Side | Passed |
| 4 | Flat on Short Side | Passed |
| 5 | On a Corner | Passed |

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: 
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:

 **4G / Y32 / S / ***
USA / M6270

* last 2 digits, year of mfg.

2. This combination packaging is due for periodic retest prior to 9/18/2027.

Approved by: 

Title: Project Engineer

Attached:

Stack Test Calculations
UN Mark Drawing Number DoT Y32
Specifications
Height, Weight, and Overflow Measurements
Thickness Map
Photograph

Throw out date 9/18/2027 (2 years from test date)