

**Periodic Compliance Report Form 4G**

Ref: WI LA 038

Original - Periodic Retest File

Date of Periodic Test 9/21/24, Zacros AmericaPeriodic Retest Report # 24-058Ref. Original Design Report # 301**Materials:**

As listed in specification report

Specification No. CUA1677, CUA5908, CUA9777Description 10L Cubitainer w/ 38mm hybrid tube

See attached specifications.

A. Closure TorqueClosure application torque of 20 in-lbs 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 &amp; 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 &amp; 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

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

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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:**

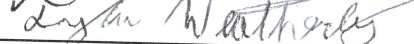
1. This combination packaging meets all periodic test requirements of Category 4G for Packing Group II substances having a specific gravity of 1.5 or less and all packagings covered by this report may continue to be marked as follows:



**4G / Y16 / S / 22**  
**USA / M6270**

\* last 2 digits, year of mfg.

2. This combination packaging is due for periodic retest prior to 9/21/2026.

Approved by: 

Title: - Project Engineer

**Attached:**

Stack Test Calculations  
UN Mark Drawing Number 19050  
Specifications  
Height, Weight, and Overflow Measurements  
Thickness Map  
Photograph

Throw out date 9/21/2026 (2 years from test date)