

**UNITED NATIONS PERFORMANCE ORIENTED PACKAGING TESTS FOR DANGEROUS GOODS TEST
REPORT SUMMARY**

TEST REPORT NO. 0236

Zacros America - Hedwin Division, 220 Lake Drive, Newark, DE 19702

Packaging Design Type

2.5 gallon CUBITAINER® combination package

Specification Number: CUA4908

This packaging was found to conform with all of the applicable requirements for packaging in 49 CFR, Performance Oriented Packaging Standards, Section 178.

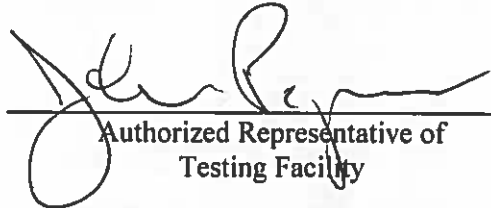
A summary of the test results is as follows:

<u>TEST</u>	<u>INTENSITY</u>	<u>RESULT</u>
Drop Test (178.603)	1.5 meters	Pass
Stacking Test (178.606)	400 lbs.	Pass
Internal Pressure (Hydraulic Test) (178.605)	N/A	
Pre-production Leak Proofness Test (178.604)	N/A	
Vibration Test (178.608)	1 hour	Pass

The samples passed the drop, stacking, and the vibration test and the packaging design type is considered to meet the performance requirements. On the basis of these results, packagings are authorized to bear the following marking:



4G/Y16/S/YR* *Changes annually
USA/ZACROS AMERICA
NEWARK, DE


Authorized Representative of
Testing Facility

Original Design Test Date: 01/05/07

Cert. Issue Date: 05/16/17

Last Periodic Retest Date: 09/15/16

Cert Expiration Date: 09/15/18

Authorized for max. specific gravity 1.5 and Packaging Group II liquids.

NOTE: Not authorized for air shipment.

This certification is issued for a combination package as assembled at Zacros America. Zacros America Closure Instructions must be followed in order to complete closure after filling and prior to shipment. This is not an authorization to manufacture certified corrugated cartons. If such certification is needed please contact Zacros America directly for a separate authorization.

**UNITED NATIONS PERFORMANCE ORIENTED PACKAGING TESTS FOR DANGEROUS GOODS TEST
REPORT SUMMARY**

TEST REPORT NO. 0270

Zacros America – Hedwin Division, 220 Lake Drive, Newark, DE 19702

Packaging Design Type

20L CUBITAINER® combination packaging

Specification Number: CUA6263

This packaging was found to conform with all of the applicable requirements for packaging in 49 CFR, Performance Oriented Packaging Standards, Section 178.


A summary of the test results is as follows:

<u>TEST</u>	<u>INTENSITY</u>	<u>RESULT</u>
Drop Test (178.603)	1.5 meters	Pass
Stacking Test (178.606)	637 lbs.	Pass
Internal Pressure (Hydraulic Test) (178.605)	N/A	
Pre-production Leak Proofness Test (178.604)	N/A	
Vibration Test (178.608)	1 hour	Pass

The samples passed the drop, stacking, and the vibration test and the packaging design type is considered to meet the performance requirements. On the basis of these results, packagings are authorized to bear the following marking:



4G/Y32/S/YR* *Changes annually
USA/ZACROS AMERICA
NEWARK, DE



Authorized Representative of
Testing Facility

Original Design Test Date: 09/23/10
Cert. Issue Date: 05/16/17
Last Periodic Retest Date: 09/06/16
Cert Expiration Date: 09/06/18

Authorized for max. specific gravity 1.5 and Packaging Group II liquids.

NOTE: Not authorized for air shipment.

This certification is issued for a combination package as assembled at Zacros America. Zacros America Closure Instructions must be followed in order to complete closure after filling and prior to shipment. This is not an authorization to manufacture certified corrugated cartons. If such certification is needed please contact Zacros America directly for a separate authorization.