

UN-DESIGN CERTIFICATION/PERIODIC RETEST

File Number # **17-23**

Original File # **142-08**

This is to certify that the packaging: **0570-E0UDENRG**

TYPE: **57 Gallon Vanguard OH**

PACKING GROUP II

Product Description								
Product Description			Height	Diameter	Product Weight (kg)			
57 Gallon Vanguard OH			min.(± 6mm)	max.(± 6mm)				
Wall Thickness (±0.7mm)			889	533	Total Product Weight		10.60	
average	min.	max.			Body	8.40	Solid Lid	1.10
4.0	2.2	5.0			Plugs	N/A	Ring	1.10
Closure Part #		Gasket Part #	Gasket Composition		Torque (ft.lbs.)	Closure Description		
Solid Lid	V22-N-RF(81680034)	N/A	Urethane		N/A	21.5" Nat Solid Lid		
Ring	L22-16-P-TL-D1(80910015)		N/A		N/A	Metal Leverlock Closing Ring		
Process - Blow Molding								
Resin Specifications								
Resin		Supplier		Part #	HLMI		Density	
High Density Polyethylene(HDPE)				80100001	Value	Range	Value	max.
Color #	80200011	Color wt%	1.0%		N/A	4.5 - 6.5	N/A	0.952 - 0.956

UN CODE: 1H2

UN MARKING: 

1H2/Y250/S/YR/USA/MXXXX

Manufacturer MAUSER Packaging Solutions:

M4232 Addison M4235 Woodlands M4602 Rancho Cucamonga

M4895 East Brunswick **M5123 Charlotte**

Product Image



Tested to the following: 49 CFR § 178.601(c)(2)

DROP TEST: (§178.603) From a height of **1.2 m (3.9 ft)** with six 6" samples at -18°C.

Test Liquid: 50% aqueous Propylene Glycol s.g. 1.05 ±0.02. Test Solid: sodium bicarbonate <0.05 mm+ HDPE < 3mm

*3 samples dropped on weakest diagonal orientation and 3 samples flat dropped along the parting seam

RESULTS: **PASS**

STACK TEST: (§178.606) (c)(2)(ii) Applied a preload of 50lbs. Compression speed of 0.5 ±0.25 inches per minute.

RESULTS: **PASS**

DOT min. **888 kg**

Applied load

Sample #	Applied Load (kg)	Deflection (in.)
7	3477	0.3650
8	3333	0.1590
9	2970	0.2960

VIBRATION TEST: (§178.608) Simulated transport vibration for 1 hour on 3 samples at N/A Hz

RESULTS: **N/A** Capable of passing vibration test as outlined in §178.608

CAPACITY: 221 Liters

OVERFLOW: 224 Liters

TIP OVER TEST (OH): N/A

Signature		Date
<i>Tatiana Smolceva</i>		2/24/2023
Title	Directory, Technology & Regulatory	

EXPIRATION DATE: 2/25/2024