

UN-DESIGN CERTIFICATION/PERIODIC RETEST

File Number # 17-22
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		<i>min.(± 6mm)</i>	<i>max.(± 6mm)</i>	Total Product Weight		10.60		
Wall Thickness (±0.7mm)			889	535	Body		8.60	
<i>average</i>	<i>min.</i>	<i>max.</i>			Plugs		N/A	Solid Lid
4.0	2.2	5.0			Ring		1.10	0.90
Closure Part #		Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description			
<i>Solid Lid</i>	V22-N-RC(81680024)	N/A	Urethane/Rubber	N/A	21.5" Nat Solid Lid			
<i>Ring</i>	80910011		N/A	N/A	Metal Leverlock Closing Ring			
Process - Blow Molding								
Resin Specifications								
Resin	Supplier	Part #	HLMI		Density			
High Density Polyethylene(HDPE)		80100001	<i>Value</i>	<i>Range</i>	<i>Value</i>	<i>max.</i>		
			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-M5445 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. **854 kg** Applied load

Sample #	Applied Load (kg)	Deflection (in.)
7	907	0.5000
8	907	0.5000
9	907	0.4375

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

RESULTS: **N/A**

CAPACITY: 219.59 Liters

OVERFLOW: 219.86 Liters

TIP OVER TEST (OH): N/A

Signature	Date	Signature	Date
	11/10/2021		11/10/2021
Title	Manager Technical Services	Title	Manager-Regulatory & Testing

EXPIRATION DATE: 11/10/2022