

**UN-DESIGN CERTIFICATION/PERIODIC RETEST**

File Number # **28-24**

Original File # **28-08**

This is to certify that the packaging: **0300XXOUDENRG**

TYPE: **30 Gallon Vanguard OH**

PACKING GROUP II

Product Description								
Product Description			Height	Diameter	Product Weight (kg)			
30 Gallon Vanguard OH			<i>min.(± 6mm)</i>	<i>max.(± 6mm)</i>				
Wall Thickness (±0.7mm)			749	478	Total Product Weight		7.20	
<i>average</i>	<i>min.</i>	<i>max.</i>			Body	5.80	Solid Lid	0.60
4.0	2.2	5.0			Plugs	N/A	Ring	0.80
Closure Part #			Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description		
<i>Lid</i>			81680007	N/A	Urethane	N/A	18" Nat Solid Lid 30/35	
<i>Ring</i>			80910004	N/A	N/A	N/A	18.5" Leverlock Closing Ring 30/35	
Process - Blow Molding								
Resin Specifications								
Resin				Part #	HLMI	Density		
High Density Polyethylene(HDPE)				80100001	<i>Value</i>	<i>Range</i>	<i>Value</i>	<i>Range</i>
					N/A	4.5 - 6.5	N/A	0.952 - 0.956

UN CODE: 1H2

UN MARKING: 

1H2/Y180/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 sand,regrind, weights <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 50 lbs. Compression speed of 0.5 ±0.25 inches per minute.

RESULTS: **PASS**                      DOT min. **809 kg**                      Force Applied

Sample	Applied load (kg)	Deflection (in)
5B13	2054	0.669
5B114	2041	0.551
5B115	1987	0.629

**VIBRATION TEST: (§178.608)** Simulated transport vibration for 1 hour on 3 samples **NA** Hz

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

**CAPACITY:** 118.0 Liters

**OVERFLOW:** 122.0 Liters

**TIP OVER TEST (OH):** **PASS**

Signature	Date
<i>Tatiana Smolkeva</i>	3/5/2024
<b>Title</b>	Manager, Regulatory & Testing

**EXPIRATION DATE:** 3/5/2025