

**UN-DESIGN CERTIFICATION/PERIODIC RETEST**

**File Number # 112-26**

**Original File # 28-08**

This is to certify that the packaging: **03004E0UDE23NRG**

TYPE: **30 Gallon Vanguard OH**

PACKING GROUP II

Product Description								
Product Description			Height	Diameter	Product Weight (kg)			
30 Gallon Vanguard OH			min.(± 6mm)	max.(± 6mm)	Total Product Weight			
<b>Wall Thickness (±0.7mm)</b>			<b>781</b>	<b>432</b>	<b>6.80</b>			
average	min.	max.			Body	<b>5.40</b>	Bung Lid	<b>0.60</b>
<b>4.0</b>	<b>2.2</b>	<b>5.0</b>			Plugs	<b>0</b>	Ring	<b>0.80</b>
Closure Part #		Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description			
Plug 1	81630002	81400014	EPDM	20	2" NPS HDPE Plug			
Plug 2	81630022	C31EP-AD	EPDM	6	3/4" NPT HDPE Plug			
Lid	81680008	N/A	Urethane	NA	18.5" Nat Bung Lid 30/35			
Ring	80910002	N/A	N/A	N/A	18.5" 18 Ga Leverlock Closing Ring 30/35			
Process - Blow Molding								
Resin Specifications								
Resin		Part #	HLMI		Density			
High Density Polyethylene(HDPE)		80100001	Value	Range	Value	Range		
			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

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. **765 kg**      Force Applied

Sample #	Applied load (kg)	Deflection (in.)
7	1993	0.975
8	2144	0.975
9	1965	0.975

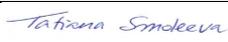
**VIBRATION TEST: (§178.608)** Simulated transport vibration for 1 hour on 3 samples      **NA**      Hz

RESULTS: **PASS**      **Capable of passing vibration test as outlined in §178.608**

**CAPACITY:** 119.0 Liters

**OVERFLOW:** 121.0 Liters

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

Signature	Date
	1/30/2026
Title	Director, Regulatory & Testing

**EXPIRATION DATE:** 1/30/2027

Product Image

