

UN-DESIGN CERTIFICATION/PERIODIC RETEST

File Number # **17-17**

Original File # **80-06**

This is to certify that the packaging: **057040UDE23NRGU**

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>				
Wall Thickness (±0.7mm)			924	578	Total Product Weight		10.91	
<i>average</i>	<i>min.</i>	<i>max.</i>			Body	8.82	Bung Lid	1.1
4.5	2.2	5.7			Plugs	N/A	Ring	1.0
Closure Part #			Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description		
<i>Bung Lid</i>			81680036	N/A	URETHANE	NPS-20/3/4" 6-9	21.5" Nat Bung Lid	
<i>Ring</i>			80910011	N/A	N/A	N/A	22" Metal Closing Ring	
Process - Blow Molding								
Resin Specifications								
Resin		Supplier		Part #	HLMI		Density	
80100001		Chevron Phillips		TR-512	<i>Value</i>	<i>Range</i>	<i>Value</i> <i>Range</i>	
Color #	80200011	Color wt%	1.0%		5.3	4.5 - 6.5	0.9538	.952 -.956

UN CODE: 1H2

UN MARKING:



1H2/Y200/S/YR/USA/MXXXX

Manufacturer MAUSER USA,LLC:

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 50 lbs. Compression speed of 0.5 ±0.25 inches per minute.

RESULTS: **PASS** DOT min. **674 Kg** Force Applied

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

RESULTS: **PASS**

CAPACITY: 219 Liters

OVERFLOW: 220 Liters

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

Signature	Date	Signature	Date
<i>Darwin Wickes</i>	2/2/2017	<i>Darwin Wickes</i>	2/2/2017
Title	Manager, Technical Services	Title	Director Technology & Regulatory Affairs

EXPIRATION DATE: 2/3/2018