

UN-DESIGN CERTIFICATION/PERIODIC RETEST

File Number # 13-22

Original File # 108-08

This is to certify that the packaging: **0300-E0UDE23NRG**

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>	Total Product Weight			
Wall Thickness (±0.7mm)		767	478	Body		6.84	
<i>average</i>	<i>min.</i>			<i>max.</i>	5.20	Bung Lid	0.68
3.7	2.2			5.0	Plugs	0.05	Ring
Closure Part #		Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description		
<i>Lid</i>	V18-B-RC23(81680005)	N/A	Rubber/Urethane	2"-20 - 3/4" 9	18" Bung Lid 30/35		
<i>Ring</i>	L18-18-P-TL-V1(80910002)	N/A	N/A	N/A	18.5" Leverlock Closing Ring 30/35		
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>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

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. **784 kg**

Force Applied

Sample #	Applied Load (kg)	Deflection (in.)
7	816	0.205
8	816	0.170
9	816	0.194

VIBRATION TEST: (178.608) Simulated transport vibration for 1 hour on 3 samples

N/A Hz


RESULTS: **N/A**

0300-E0UDE23RG is capable of passing the Vibration Test in section 178.608.

CAPACITY: 121.6 Liters

OVERFLOW: 121.8 Liters

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

Signature	Date
	1/6/2022
Title	Manager-Technical Services

EXPIRATION DATE: 1/6/2023

Product Image

