

UN-DESIGN CERTIFICATION/ PERIODIC RETEST

File Number # 25-25

Original File# 26-07

This is to certify that the packaging: **055C-00UL1R55**

TYPE: **55 Gallon L-1 TH**

PACKING GROUP II

Product Description								
Product Description		Height	Diameter	Product Weight (kg)				
55 Gallon L-1 TH		min.(± 6mm)	max.(± 6mm)	Total Product Weight		9.37		
Wall Thickness (±0.7mm)		889	593	Body		Lid	N/A	
average	min.			max.	Plugs		Ring	N/A
4.0	2.2			6.4				
Closure Part #		Gasket Part #	Gasket Composition	Torque (ft.lbs.)				
Plug 1	81630001	81400008	EPDM	20	2" HDPE American Buttress			
Plug 2	81630001	81400008	EPDM	20	2" HDPE American Buttress			

Process - Blow Molding					
Resin Specifications					
Resin	Part #	HLMI		Density	
High Density Polyethylene(HDPE)	80100001	Value	Range	Value	Range
		N/A	4.0-6.0	N/A	0.953 - 0.956

UN CODE: 1H1

UN MARKING:



1H1/Y1.9/100/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 **1.9 m (6.2 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**

LEAK TEST: (§178.604)(d) Packaging **group II** test pressure **of 21 kPa** for 5 min on 3 samples

RESULTS: **PASS**

HYDROSTATIC TEST: (§178.605) Using a pressure of > **100 kPa (14.50 psi)** for 30 minutes on 3 samples

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. **1506 kg** Force Applied

Sample	Applied load (kg)	Deflection (in)
10	1542	0.500
11	1542	0.500
12	1542	0.500

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

N/A Hz

RESULTS: **N/A**

CAPACITY: 222 Liters

OVERFLOW: 223 Liters

TIP OVER TEST (OH): N/A

Signature	Date
<i>Tahira Smdeeva</i>	1/6/2025
Title	Director, Technology & Regulatory

EXPIRATION DATE: 1/6/2026

