

UN-DESIGN CERTIFICATION/ PERIODIC RETEST

File Number # **32-24**
Original File# **58-09**

This is to certify that the packaging: **055C-00UL1-150**

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		9.54		
Wall Thickness (±0.7mm)			882	591	Body		9.50	
average	min.	max.			Plugs		0.04	Lid
4.0	2.2	6.4			Ring		N/A	
Closure Part #		Gasket Part #	Gasket Composition		Torque (ft.lbs.)			
Plug 1	L10-WL(81630001)	81400008	EPDM		25	2" American Buttress HDPE Plug		
Plug 2	L16-WL(81630002)	81400014	EPDM		25	2" NPS HDPE Plug		
Process - Blow Molding								
Resin Specifications								
Resin	Supplier	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: 1H1

UN MARKING: 

1H1/Y1.9/150/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 **1.9 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 3 psi** for 5 min on 3 samples

RESULTS: **PASS**

HYDROSTATIC TEST: (§178.605) Using a pressure of > **150 kPa (21.76 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 inch per minute on 3 samples.

RESULTS: **PASS** DOT min. **1013 kg** Force Applied

Sample	Applied load (kg)	Deflection (in)
18A565	2449	0.98
18A561	2381	0.98
18A564	2517	0.98


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

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

CAPACITY: 222 Liters

OVERFLOW: 223 Liters

TIP OVER TEST (OH): N/A

Signature	Date
	3/18/2024
Title	Director, Technology & Regulatory

EXPIRATION DATE: 3/18/2025