

UN-DESIGN CERTIFICATION/ PERIODIC RETEST

File Number # 118-22

Original File# 26-07

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

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)				
Wall Thickness (±0.7mm)			889	597	Total Product Weight		9.61	
average	min.	max.			Body	9.53	Lid	N/A
4.0	2.2	6.4			Plugs	0.08	Ring	N/A
Closure Part #			Gasket Part #	Gasket Composition	Torque (ft.lbs.)			
Plug 1	L10-WL(81630001)		81400008	EPDM	20	2" HDPE American Buttress		
Plug 2	L16-WL(81630002)		81400014	EPDM	20	2" HDPE NPS Plug		

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: 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 20 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. **1526** Force Applied

Sample #	Applied Load (kg)	Deflection (in)
10	1545	0.5390
11	1545	0.5420
12	1545	0.5390

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

N/A Hz

RESULTS: **N/A** Capable of passing vibration test

CAPACITY: 225.76 Liters

OVERFLOW: 226.32 Liters

TIP OVER TEST (OH): N/A

Signature	Date
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Title	Director, Technology & Regulatory

EXPIRATION DATE: 10/20/2023

