

UN-DESIGN CERTIFICATION/ PERIODIC RETEST

File Number # 01-22

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)	Total Product Weight		9.61		
Wall Thickness (±0.7mm)		889	584	Body		9.53		
average	min.			max.	Plugs		0.08	
4.0	2.2			6.4	Lid		N/A	
Closure Part #		Gasket Part #	Gasket Composition	Torque (ft.lbs.)		Ring		
Plug 1	81630001	81400008	EPDM	25		2" HDPE American Buttress		
Plug 2	81630002	81400014	EPDM	25		2" HDPE NPS Plug		

Process - Blow Molding							
Resin Specifications							
Resin		Part #		HLMI		Density	
High Density Polyethylene (HDPE)		80100001		Value	Range	Value	Range
Color #	L84(80200011)	Color wt%	<1%	5.4	4.5 - 6.5	0.955	0.952 - 0.956

UN CODE: **1H1**

UN MARKING:



1H1/Y1.9/100/YR/USA/MXXXX

Manufacturer MAUSER Packaging Solut

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. **1023 kg** Force Applied

Sample #	Applied Load Kg	Deflection In.
10	1545	0.334
11	1545	0.383
12	1545	0.326

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

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

CAPACITY: **223.27** Liters

OVERFLOW: **223.34** Liters

TIP OVER TEST (OH): N/A

Signature	Date
<i>Tariona Sankheva</i>	12/13/2021
Title	Manager, Regulatory & Testing

EXPIRATION DATE: **12/13/2022**

