

UN-DESIGN CERTIFICATION/ PERIODIC RETEST

File Number # 01-21

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			
Wall Thickness (±0.7mm)			889	584	9.78			
average	min.	max.			Body	9.75	Lid	N/A
4.0	2.2	6.4			Plugs	0.03	Ring	N/A
Closure Part #			Gasket Part #	Gasket Composition	Torque (ft.lbs.)			
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-M5445 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. **1508 kg** Force Applied

Sample #	Applied Load Kg	Deflection In.
10	1515	0.4600
11	1515	0.4500
12	1515	0.4700

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

RESULTS: **N/A**

N/A Hz

CAPACITY: 223.27 Liters

OVERFLOW: 223.34 Liters

TIP OVER TEST (OH): N/A

Signature		Date	Signature		Date
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Title	Manager-Technical Services	Title	Manager-Regulatory & Testing		

EXPIRATION DATE: 1/4/2022

