

UN-DESIGN CERTIFICATION/RECERTIFICATION

File Number # **4-20**
Original File # **31-96**

This is to certify that the packaging: **030C-00UL1**

TYPE: **30 Gallon L-1**

PACKING GROUP II

Product Description								
Product Description			Height	Diameter	Product Weight (kg)			
30 Gallon L-1			min.(± 6mm)	max.(± 6mm)				
Wall Thickness (±0.7mm)			733	487	Total Product Weight		5.64	
average	min.	max.			Body	5.58	Lid	N/A
3.1	2.2	6.0			Plugs	0.06	Ring	N/A
Closure Part #			Gasket Part #	Gasket Composition	Torque (ft.lbs.)	Closure Description		
Plug 1			L16-WL(81630002)	81400014	EPDM	20	2" NPS HDPE PLUG	
Plug 2			L10-WL(81630001)	81400008	EPDM	20	2" American Buttress Plug	
Proces - Blow Molding								
Resin Specifications								
Resin		Supplier		Part #	HLMI		Density	
High Density Polyethylene(HDPE)				80100001	Value	Range	Value	
Color #	L-84	Color wt%	1.0%		N/A	4.0 - 6.0	N/A	
							0.953 - 0.956	

UN CODE: 1H1

UN MARKING:



1H1/Y1.8/150/YR/USA/MXXXX

Manufacturer Mauser Packaging Solution

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 **1.8 m (5.9 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 **21 kPa** 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.

RESULTS: **PASS** DOT min. **1044 Kg** Force Applied

Sample #	Compression lbs.	Deflection in.
10	1089 Kg	0.1875
11	1089 Kg	0.1875
12	1089 Kg	0.1875

VIBRATION TEST: (178.608) Simulated transport vibration for 1 hour on 3 samples **N/A** Hz

RESULTS: **N/A**

CAPACITY: 122 Liters

OVERFLOW: 125 Liters

TIP OVER TEST (OH): N/A



Signature	Date	Signature	Date
<i>Darwin Wickes</i>	1/9/2020	<i>Tahana Smolkeva</i>	1/9/2020
Title	Manager-Technical Services	Title	Manager-Regulatory & Testing

EXPIRATION DATE: 1/9/2021