

UN DRUM QUALIFICATION TEST REPORT

- PERIODIC RE-TESTING -

Qualification Testing and Periodic Retesting for steel drums is performed in accordance with applicable sections of the following:
U.N. Recommendations on the Transport of Dangerous Goods, 49 CFR §173.22 and .24, §178.2, §178.600 through §178.606 and .608 in addition to Skolnik Industries, Inc. Procedure SOP - 11.1.

U.N. MARKING:

1A2/X440/S
1A2/Y1.5/150

PART NUMBER:

ST5502

TEST DATE:

(Periodic Retesting is required within 12 months from test date)
February 16, 2024

DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	Three
MATERIAL:	Stainless Steel	RING:	HP Bolt Ring RBH2212
THICKNESS: (top/body/bottom)	1.5 / 1.2 / 1.2 mm	NUT/BOLT TYPE:	5/8" - 11 UNC-2A x 4.00" BT5840NQA NT5800NQA
CAPACITY:	55 Gallons	CLOSING INSTRUCTIONS:	PQ 080 Rev.F
INSIDE DIAMETER:	22.50"	GASKET:	"D" EPDM GE5500
OVERALL HEIGHT:	34.7"	CHIME TYPE:	Round Chime
PACKAGING GROUP:	I Solids II Liquids	SEAM CONSTRUCTION:	Butt Weld
SPECIFIC GRAVITY:	1.5	FITTINGS:	2" & 3/4" TS in Cover PT2050A PT3050A - Buna Gasket 2" TS in Body PT2050A - Buna Gasket
SOLIDS GROSS WEIGHT:	440 kg	DRUM TARE WEIGHT:	25 Kg
MAXIMUM CAPACITY:	56.9 Gallon		

TESTING

<u>DROP TEST - SOLIDS</u>		<u>DROP TEST - LIQUIDS</u>	
	49 CFR §178.603		49 CFR §178.603
CONTENTS USED:	Sand and Steel Plates	CONTENTS USED:	Water
CAPACITY FILLED TO:	95%	CAPACITY FILLED TO:	98%
SOLID DROP HEIGHT:	1.8 m	LIQUID DROP HEIGHT:	1.5 m
RESULTS, TEST 1:	PASS 1 sample dropped diagonal on chime	RESULTS, TEST 1:	PASS 1 sample dropped diagonal on chime
RESULTS, TEST 2:	PASS 1 sample dropped onto ring @ 45 degrees	RESULTS, TEST 2:	PASS 1 sample dropped onto ring @ 45 degrees

STACKING TEST - SOLIDS		STACKING TEST - LIQUIDS	
49 CFR §178.606		49 CFR §178.606	
CONTENTS USED:	Sand and Steel Plates	CONTENTS USED:	Water
CAPACITY FILLED TO:	95%	CAPACITY FILLED TO:	98%
TEST WEIGHT:	1983 kg 1 sample maintained for 24 hours	TEST WEIGHT:	1486 kg 1 samples maintained for 24 hours
RESULTS:	PASS	RESULTS:	PASS

LEAKPROOFNESS TEST		49 CFR §178.604
TEST PRESSURE:	34.5 kPa	
	3 samples held for (5) minutes	
RESULTS:	PASS	

<div>VIBRATION STANDARD</div> <div>49 CFR §178.608</div> <div>The vibration standard criteria as set forth in 49 CFR § 178.608 was successfully reviewed upon design qualification testing for this type of container. Past performance has indicated no failures.</div>	<div>HYDROSTATIC TEST</div> <div>49 CFR §178.605</div> <div>TEST PRESSURE:</div> <div>200 kPa 1 samples held for (5) minutes</div> <div>RESULTS:</div> <div>PASS</div>
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TEST PERSONNEL

Moises Basilio
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Inspection and Testing Manager

APPROVAL

Michael McKinley
Michael McKinley
Director of Quality Assurance