

SKOLNIK

TESTING PERFORMED BY SKOLNIK INDUSTRIES, INC.
 TESTING LAB - AKA: "SDCC"
 4900 South Kilbourn Avenue Chicago, Illinois 60632

ID NUMBER	TEST NUMBER
21-007	053

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: <small>(Periodic Retesting is required within 12 months from test date)</small>	February 12, 2021

DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	Three
MATERIAL:	Stainless Steel	RING:	HP Bolt Ring RBH2212
THICKNESS: <small>(top/body/bottom)</small>	1.5 / 1.2 / 1.2 mm	NUT/BOLT TYPE:	5/8" - 11 UNC-2A x 4.00" BT5840 NT5800
CAPACITY:	55 Gallons	CLOSING INSTRUCTIONS:	PQ 080 Rev. D
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		

TESTING

<u>DROP TEST - SOLIDS</u>		49 CFR §178.603	<u>DROP TEST - LIQUIDS</u>		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 <small>1 sample dropped on bottom chime</small>		RESULTS, TEST 1:	PASS <small>1 sample dropped on bottom chime</small>	
RESULTS, TEST 2:	PASS <small>1 sample dropped onto ring at 45 degrees</small>		RESULTS, TEST 2:	PASS <small>1 sample dropped onto ring at 45 degrees</small>	

<u>STACKING TEST - SOLIDS</u>		49 CFR §178.606	<u>STACKING TEST - LIQUIDS</u>		49 CFR §178.606
CONTENTS USED:	Sand and Steel Plates		CONTENTS USED:	Water	
CAPACITY FILLED TO:	95%		CAPACITY FILLED TO:	98%	
TEST WEIGHT:	1987 kg <small>1 sample maintained for 24 hours</small>		TEST WEIGHT:	1492 kg <small>1 sample maintained for 24 hours</small>	
RESULTS:	PASS		RESULTS:	PASS	

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

VIBRATION STANDARD 49 CFR §178.608

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.

<u>HYDROSTATIC TEST</u>		49 CFR §178.605
TEST PRESSURE:	150 kPa <small>1 sample held for (5) minutes</small>	
RESULTS:	PASS	

TEST PERSONNEL *Moises Basilio*

Moises Basilio
Inspection and Testing Manager

APPROVAL *Carlos Salinas*

Carlos Salinas
Director of Quality Assurance