



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

ID NUMBER	TEST NUMBER
18-008	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:

**February 16, 2018**

(Periodic Retesting is required within 12 months from test date)

### 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" 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 PT2050 PT3050 - Buna Gasket 2" TS in Body PT2050 - Buna Gasket
SOLIDS GROSS WEIGHT:	440 kg		

### TESTING

#### DROP TEST - SOLIDS

49 CFR §178.603

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
SOLID DROP HEIGHT:	1.8 m
RESULTS, TEST 1:	<b>PASS</b> 1 sample dropped on bottom chime
RESULTS, TEST 2:	<b>PASS</b> 1 sample dropped onto ring at 45 degrees

#### DROP TEST - LIQUIDS

49 CFR §178.603

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
LIQUID DROP HEIGHT:	1.5 m
RESULTS, TEST 1:	<b>PASS</b> 1 sample dropped on bottom chime
RESULTS, TEST 2:	<b>PASS</b> 1 sample dropped onto ring at 45 degrees

#### STACKING TEST - SOLIDS

49 CFR §178.606

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
TEST WEIGHT:	1993 kg 1 sample maintained for 24 hours
RESULTS:	<b>PASS</b>

#### STACKING TEST - LIQUIDS

49 CFR §178.606

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
TEST WEIGHT:	1490 kg 1 sample maintained for 24 hours
RESULTS:	<b>PASS</b>

#### LEAKPROOFNESS TEST

49 CFR §178.604

TEST PRESSURE:	34.5 kPa 3 samples held for (5) minutes
RESULTS:	<b>PASS</b>

#### 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.

#### HYDROSTATIC TEST

49 CFR §178.605

TEST PRESSURE:	150 kPa 1 sample held for (5) minutes
RESULTS:	<b>PASS</b>

#### TEST PERSONNEL

*Moises Basilio*

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 Inspection and Testing Manager

#### APPROVAL

*Carlos Salinas*  
 02/16/2018 10:05:57 am  
 Carlos Salinas  
 Quality and Conformance Manager