



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

ID NUMBER	TEST NUMBER
25-005	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 14, 2025

### 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" 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:	56.7 Gallon		

### 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:	PASS <small>1 sample dropped diagonal on chime</small>
RESULTS, TEST 2:	PASS <small>1 sample dropped onto ring @ 45 degrees</small>

#### DROP TEST - LIQUIDS

49 CFR §178.603

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

#### STACKING TEST - SOLIDS

49 CFR §178.606

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
TEST WEIGHT:	2056 kg <small>1 sample maintained for 24 hours</small>
RESULTS:	PASS

#### STACKING TEST - LIQUIDS

49 CFR §178.606

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
TEST WEIGHT:	1513 kg <small>1 samples maintained for 24 hours</small>
RESULTS:	PASS

#### LEAKPROOFNESS TEST

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.

#### HYDROSTATIC TEST

49 CFR §178.605

TEST PRESSURE:	200 kPa <small>1 samples held for (5) minutes</small>
RESULTS:	PASS

#### TEST PERSONNEL

Moises Basilio
Moises Basilio Inspection and Testing Manager

#### APPROVAL

Michael McKinley
Michael McKinley Director of Quality Assurance