



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

ID NUMBER	TEST NUMBER
22-003	011

## 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:	<b>1A2/X430/S</b> <b>1A2/Y1.5/175</b>	PART NUMBER:	<b>CQ5508</b> <b>HM5501 / PH5501</b>
		TEST DATE: <small>(Periodic Retesting is required within 12 months from test date)</small>	January 28, 2022

### DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	Three
MATERIAL:	Carbon Steel	RING:	HP Bolt Ring RBH2212
THICKNESS: <small>(top/body/bottom)</small>	1.5 / 1.5 / 1.5 mm	NUT/BOLT TYPE:	5/8" - 11 UNC-2A x 4.00" BT5840 NT5800
CAPACITY:	55 Gallon	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:	Overlap Weld
SPECIFIC GRAVITY:	1.5	FITTINGS:	2" & 3/4" Rieke in Cover PR2041 PR3041- EPDM Gasket 2" TS in Body PT2000A - Buna Gasket
SOLIDS GROSS WEIGHT:	430 kg	DRUM TARE WEIGHT:	28 Kg
MAXIMUM CAPACITY:	56.5 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:	<b>PASS</b> <small>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	<b>PASS</b> <small>3 samples dropped onto ring at 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:	<b>PASS</b> <small>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	<b>PASS</b> <small>3 samples dropped onto ring at 45 degrees</small>

#### STACKING TEST - SOLIDS

49 CFR §178.606

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
TEST WEIGHT:	1957 kg <small>3 samples maintained for 24 hours</small>
RESULTS:	<b>PASS</b>

#### STACKING TEST - LIQUIDS

49 CFR §178.606

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
TEST WEIGHT:	1503 kg <small>3 samples maintained for 24 hours</small>
RESULTS:	<b>PASS</b>

#### LEAKPROOFNESS TEST

49 CFR §178.604

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

#### TEST PERSONNEL

Moises Basilio  
 Inspection and Testing Manager

#### APPROVAL

Michael McKinley  
 Digitally signed by Michael McKinley  
 Date: 2022.01.25 18:55:49 -0600  
 Mike MCKinley  
 Director of Quality Assurance