



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

ID NUMBER	TEST NUMBER
21-105	059

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/X60/S 1A2/Y1.8/150	PART NUMBER:	CQ0501 HM0501
		TEST DATE: <small>(Periodic Retesting is required within 12 months from test date)</small>	December 6, 2021

DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	N/A
MATERIAL:	Carbon Steel	RING:	HP Bolt Ring RBH1413
THICKNESS: <small>(top/body/bottom)</small>	0.9 / 0.9 / 0.9 mm	NUT/BOLT TYPE:	5/8" x 11 - UNC -2A x 4.00" BT5840 NT5800
CAPACITY:	5 Gallon	CLOSING INSTRUCTIONS:	PQ 080 Rev. D
INSIDE DIAMETER:	14.00"	GASKET:	3/8" Round GE0503-01
OVERALL HEIGHT:	10.4"	CHIME TYPE:	Box Chime
PACKAGING GROUP:	I Solids II Liquids	SEAM CONSTRUCTION:	Overlap Weld
SPECIFIC GRAVITY:	1.8	FITTINGS:	2" & 3/4" Rieke in Cover PR2041 PR3041 EPDM Gasket
SOLIDS GROSS WEIGHT:	60 kg	DRUM TARE WEIGHT:	4.5 Kg
MAXIMUM CAPACITY:	5.6 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>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	PASS <small>3 samples dropped on ring at 45 degrees</small>

DROP TEST - LIQUIDS

49 CFR §178.603

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
LIQUID DROP HEIGHT:	1.8 m
RESULTS, TEST 1:	PASS <small>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	PASS <small>3 samples dropped on ring at 45 degrees</small>

STACKING TEST - SOLIDS

49 CFR §178.606

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
TEST WEIGHT:	1003 kg <small>3 samples maintained for 24 hours</small>
RESULTS:	PASS

STACKING TEST - LIQUIDS

49 CFR §178.606

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
TEST WEIGHT:	678 kg <small>3 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:	150 kPa <small>3 samples held for (5) minutes</small>
RESULTS:	PASS

TEST PERSONNEL

Moises Basilio
Moises Basilio
 Inspection and Testing Manager

APPROVAL

Mike McKinley
 Director of Quality Assurance