

SKOLNIK

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

ID NUMBER

23-046

TEST NUMBER

001

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
1A2T/Y320/S

PART NUMBER:

CQ8501/HM8501
PH8501

TEST DATE:

June 23, 2023

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

DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	Three
MATERIAL:	Carbon Steel	RING:	HP Bolt Ring RBH2612
THICKNESS: (top/body/bottom)	1.5 / 1.5 / 1.5 mm	NUT/BOLT TYPE:	5/8" - 11 UNC - 2A x 4.00" BT5840NQA NT5800NQA
CAPACITY:	85 Gallon	CLOSING INSTRUCTIONS:	PQ 080 Rev. F
INSIDE DIAMETER:	26.0"	GASKET:	"D" EPDM GE8500
OVERALL HEIGHT:	39.0"	CHIME TYPE:	Round Chime
PACKAGING GROUP:	I Solids II Solids	SEAM CONSTRUCTION:	Overlap Weld
SPECIFIC GRAVITY:	N/A	FITTINGS:	2" & 3/4" Rieke in Cover PR2041 PR3041 EPDM Gasket
SOLIDS GROSS WEIGHT:	440 kg	DRUM TARE WEIGHT:	36 Kg
MAXIMUM CAPACITY:	85.5 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:	PASS 3 samples dropped on bottom chime
RESULTS, TEST 2:	PASS 3 samples dropped onto ring at 45 degrees

DROP TEST - LIQUIDS

49 CFR §178.603

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
LIQUID DROP HEIGHT:	1.2 m
RESULTS, TEST 1:	PASS 3 samples dropped on bottom chime Not Equalized After Drop
RESULTS, TEST 2:	PASS 3 samples dropped onto ring at 45 degrees Not Equalized After Drop

STACKING TEST - SOLIDS

49 CFR §178.606

CONTENTS USED:	Sand and Steel Plates
CAPACITY FILLED TO:	95%
TEST WEIGHT:	2002 kg 3 samples maintained for 24 hours
RESULTS:	PASS

STACKING TEST - LIQUIDS

49 CFR §178.606

CONTENTS USED:	Water
CAPACITY FILLED TO:	98%
TEST WEIGHT:	1460 kg 3 samples maintained for 24 hours
RESULTS:	PASS

LEAKPROOFNESS TEST

49 CFR §178.604

TEST PRESSURE:	34.5 kPa 3 samples held for (5) minutes
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:	100 kPa 3 samples held for (5) minutes
RESULTS:	PASS

TEST PERSONNEL

Moises Basilio

Inspection and Testing Manager

APPROVAL

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