



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

ID NUMBER	TEST NUMBER
21-107	034

UN DRUM QUALIFICATION TEST REPORT

- DESIGN QUALIFICATION -

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/X220/S 1A2/Y1.5/150	PART NUMBER:	CQ2006 HM2001
		TEST DATE:	December 20, 2021

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

DRUM DESCRIPTION

DRUM TYPE:	Open Head	ROLLING HOOPS:	Two
MATERIAL:	Carbon Steel	RING:	HP Bolt Ring RBH1812
THICKNESS: <small>(top/body/bottom)</small>	1.2 / 1.2 / 1.2 mm	NUT/BOLT TYPE:	5/8" - 11 UNC-2A x 4.00" BT5840 NT5800
CAPACITY:	20 Gallon	CLOSING INSTRUCTIONS:	PQ 080 Rev. D
INSIDE DIAMETER:	18.25"	GASKET:	"D" EPDM GE2000
OVERALL HEIGHT:	21.5"	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
SOLIDS GROSS WEIGHT:	220 kg	DRUM TARE WEIGHT:	13.2 Kg
MAXIMUM CAPACITY:	21.7 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>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	PASS <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:	PASS <small>3 samples dropped on bottom chime</small>
RESULTS, TEST 2:	PASS <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:	1667 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:	998 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

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Inspection and Testing Manager

APPROVAL

Mike McKinley
Director of Quality Assurance