



SERVICE EQUIPMENT TESTING REPORT

Report ID: KemKey Adaptor
 Report Date: 8/16/2023
 Part Description: KemKey Adaptor
 Manufacturer: Kemkey
 Mfg Part Number: unknown
 SII Part Number: N/A
 Approved for: Plastic IBC Pressure Level: 428 kPa

IBC Design Types: 31H1 Ultratrainer, applicable custom IBC's
 31H2 Square Stackable, Excalibur, Megatainer, Next Gen, Bonar Payloader IBC's, applicable custom IBC's
 31HH1 Deuce, applicable custom IBC's
 31HA1 Cage/Shieldmaster, Dualtainer, Tuff Tanks, applicable custom IBC's

TEST	TEST DESCRIPTION	TEST REQUIRED	REQUIRED VALUE	TESTED VALUE	RESULT	TECH.	DATE
Drop [§178.810]	IBC filled to 98% of max cap w/ antifreeze solution conditioned to 18°C--dropped from a height of SG x 1.0 m flat on bottom	YES	1.9 m	1.9 m	PASS	Luis I.	8/16/2023
			6.27 ft	6.27 ft			
Bottom Lift [§178.811]	IBC filled to 1.25x gross mass--raised/lowered 2x w 3/4 fork penetration from each direction	NO	0.0 kg	0.0 kg	NA		
Top Lift [§178.812]	IBC filled to 2x gross mass--lifted/held diagonally opposite vertically and 45° for 5 min	NO	0.0 kg	0.0 kg	NA		
Leakproofness [§178.813]	IBC pressurized w/ air to min 20kPa--covered w/ soapy liquid water to determine any leaks	YES	20 kPa	24 kPa	PASS	Luis I.	8/16/2023
			2.9 psi	3.5 psi			
Hydrostatic Pressure [§178.814]	IBC filled w/ liquid water--pressurized to test pressure for min 10 min	YES	428 kPa	428 kPa	PASS	Luis I.	8/16/2023
			62.1 psi	62.1 psi			
Stacking [§178.815]	IBC filled to gross mass--stacked w/ 1.8 x gross mass for 28 days at 40°C		0.0 kg	0.0 kg	NA		
Vibration [§178.819]	IBC filled--vibrated for 1 hr w/ min. double amplitude of 1" w/ 1.6 mm strap pass beneath		0.0 kg	0.0 kg	NA		
Vent Testing-Pressure			NA	0 kPa	NA		
Vent Testing-Vaccum			NA	0 kPa	NA		

If applicable, the closure of tested item done in accordance to SII or Bonar Plastics closure instructions.

NOTES: this testing is completed per customer request for verification of the components capability in testing.

I hereby certify the service equipment tested is representative to service equipment in qualification tests

Quality Manager:		Charlie Riggs	Date 8/16/2023
Engineering:		Herbert H. Spann	Date 8/16/2023