

Manufacturer Test Certificate

Doc No: FM-QAC-061

Rev No: 01

Date: 01.06.2023

TC No.: W45/RQ/005/25	Model No.: KFWRQ-45	Date: 28-04-2025
Type and Capacity of Extinguisher	: KFWRQ-45-Kanex Water Trolley Mounted Fire Extinguisher Cap. 45 Ltr.	
Batch Number	: KFWRQ45 005/25	
Batch Quantity	: 6.00 Nos.	
Serial Numbers	: 00021 To 25 And 25A	
Month of Manufacturing	: Apr/25	
Date of Inspection	: 08-04-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	--	Capacity	45±0.5 liter	Each	Pass
2	--	Body	Fabricated from MS Sheet by MIG welding process.	Each	Pass
3	--	Neck Ring	The effective thread length shall not be less than 22mm	Each	Pass
4	--	Cap	The effective thread length shall not be less than 22mm Three vent holes of 3 mm dia., 6.5 mm max. from cap washer, with safety valve set at 20 Kg/cm ²	Each	Pass
5	--	Expansion Space	Internal Pressure shall not exceed 15 Kg/cm ²	One	Pass
6	--	Discharge Hose	Length of Hose 5 meter and Burst Pressure not less than 50 Kg/cm ²	One	55 Kg/cm ²
7	--	CO2 gas Cartridge	300 gm. Capacity and Confirms to IS 4947	Each	Pass
8	--	Charge	D.M. water	Each	Pass
9	--	Anti Corrosive Treatment	Phosphating followed by PP Powder Coating of DFT not less than 50μ.	Each	Pass (60 - 90 μ)
10	--	Painting	As Per IS 5-PO Red Shade 538	Each	Pass
11	--	Hydrostatic Pressure Test	Test Pressure 35 Kg/cm ² for 2.5 minutes.	Each	Pass
12	--	Burst Test	Mech. Failure shall not occur upto 70 Kg/cm ² Hydraulic Pressure Sr. No.: 00025A	One	
13	--	Discharge Duration	Min. 30 Sec Sr. No.: 00021	One	60 Sec.
14	--	Range of Jet	6 Meter (Min.) Sr. No.: 00021	One	7 mtr.
15	--	Percentage discharge	Not less than 95%	One	97%
16	--	Wheeled Carriage	Manufacturer Standard	Each	Pass
17	--	Marking	Standard Instructions	Each	Pass

Remarks: As per the analysis the product meets the requirements for Water (Trolley Mounted) type Fire Extinguishers of capacity 45 ltr.



Authorized Signatory