

TC No.: C4.5/RQ/121/25	Model No.: KFCRQ-4.5	Date: 09-03-2025
Type and Capacity of Extinguisher	: KFCRQ-4.5-Kanex CO2 High Pressure Fire Extinguisher Cap. 4.5 Kg.	
Batch Number	: KFCRQ4.5 121/25	
Batch Quantity	: 100.00 Nos.	
Serial Numbers	: 12001 To 12100	
Month of Manufacturing	: Mar/25	
Date of Inspection	: 09-03-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	5.1.2	Extinguishing Agent	CO2 Gas Complied to requirements of IS 15222	One	Pass
2	5.3.1	Fill Density	Not to exceed 0.667 kg/ltr.	All	Pass
3	5.3.2	Filling tolerance	+ 5% by mass & filling ratio Not to exceed 0.667 kg/ltr	One	Pass
4	6.1	Hydro test of the body	Test pressure 225 bar (By Cylinder Manufacturer)	All	Pass
5	7.2.2	Minimum Effective discharge time	Approved Fire Rating is 55B, hence Min. duration is 9 sec. Sr. No. :12001	One	13 SEC.
6	7.2.2	Bulk range of Discharge	Approved Fire Rating is 55B, hence Min. Bulk range is 2 m. Sr. No. :12001	One	2.9 Mtr.
7	3.8	Percentage of discharge	Min. 95%, Sr. No. :12001	One	98%
8	7.4.1	Retention of Charge following partial discharge	The second pressure or weight shall not be less than 75% of the first after interruption of the discharge. Sr. No. :12002	One	98%
9	7.4.2	Leakage Test	Dipping in Water/ Applying Soap Solution	All	Pass
10	9.1	Construction Requirements	Body shall confirms to IS 7285 (Part 1 or 2) and have concave base	All	Pass
11	9.3	Carrying Handle	Requirements as per IS 15683:2018	All	Pass
12	9.4	Mounting Test	As per IS 15683:2018	All	Pass
13	9.5	Valves and Closures	As per IS 15683:2018 and confirms to IS 3224	All	Pass
14	9.6	Safety device	Valve having inbuilt safety device as per IS 3224	All	Pass
15	9.8	Hose assemblies	Length of hose 1 meter and shall withstands a hydro pressure of 275 bar for at least 30 seconds.	One	391Bar
16	9.9	Method of Operation	Max. force required to operate the valve with full hand is 300 N	One	174N
17	9.10.1	Safety Locking Devices	Force required to remove Safety locking device is 20N-100N	Two	66N & 71N
18	9.10.6	Safety Locking Devices	Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018	Two	28N & 33N
19	10.1	Color for body	Shade No. 538 (P.O.Red) of IS 5 and black band to be provided	All	Pass
20	--	Painting	Cylinders shall be enamel painted with DFT not less than 50μ	All	(60-90)μ
21	10.2.1	Marking	As per IS 15683:2018	All	Pass
22	10.2.2	Operating Instructions	As per IS 15683:2018	All	Pass
23	10.2.3	Code symbols	As per IS 15683:2018	All	Pass
24	10.3	Inspection instructions	As per IS 15683:2018	All	Pass
25	Type tests	1)Resistance to Temp. changes 2)Impact test 3)Vibrations test 4) External Corrosion test 5)Intermittent discharge test 6)Maximum Service Pressure 7) Fire performance test for B class 8) Horn Test	As per IS 15683:2018	As per Scheme of testing And inspection	Pass
26	--	Dimensions & completeness	Diameter: 140±5mm & height : 700mm Approx.	All	Pass
27	--	Approvals	PESO & BIS	All	Pass

Remarks: This is to certify that the Carbon Di Oxide type Fire Extinguisher of Capacity 4.5 kg. meets and Confirms to the requirements of IS 15683:2018.



Authorized Signatory