

TC No.: C2/RQ/047/24	Model No.: KFCRQ-2	Date: 17-12-2024
Type and Capacity of Extinguisher	: KFCRQ-2-Kanex CO2 High Pressure Fire Extinguisher Cap. 2 Kg.	
Batch Number	: KFCRQ2 047/24	
Batch Quantity	: 100.00 Nos.	
Serial Numbers	: 04601 To 4700	
Month of Manufacturing	: Dec/24	
Date of Inspection	: 17-12-2024	

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 21B, hence Min. duration is 8 sec. Sr. No. :04601	One	10 SEC.
6	7.2.2	Bulk range of Discharge	Approved Fire Rating is 21B, hence Min. Bulk range is 2 m. Sr. No. :04601	One	2.7 Mtr.
7	3.8	Percentage of discharge	Min. 95%, Sr. No. :04601	One	97%
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. :04602	One	97%
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	9.9	Method of Operation	Max. force required to operate the valve with full hand is 300 N	One	222N
16	9.10.1	Safety Locking Devices	Force required to remove Safety locking device is 20N-100N	Two	59N & 64N
17	9.10.6	Safety Locking Devices	Tamper indicator shall break with force not more than 70N & other requirement as per IS 15683:2018	Two	24N & 29N
18	10.1	Color for body	Shade No. 538 (P.O.Red) of IS 5 and black band to be provided	All	Pass
19	--	Painting	Cylinders shall be enamel painted with DFT not less than 50μ	All	(60-90)μ
20	10.2.1	Marking	As per IS 15683:2018	All	Pass
21	10.2.2	Operating Instructions	As per IS 15683:2018	All	Pass
22	10.2.3	Code symbols	As per IS 15683:2018	All	Pass
23	10.3	Inspection instructions	As per IS 15683:2018	All	Pass
24	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
25	--	Dimensions & completeness	Diameter: 108±5mm & height : 580mm Approx.	All	Pass
26	--	Approvals	PESO & BIS	All	Pass

Remarks: This is to certify that the Carbon Di Oxide type Fire Extinguisher of Capacity 2 kg, meets and confirms to the requirements of IS 15683:2018.



Authorized Signatory