

TC No.: CA2/RQ/030/25	Model No.: KCARQ-2	Date: 16-12-2025
Type and Capacity of Extinguisher	: KCARQ-2-Kanex Clean Agent HFC Based Fire Extinguisher Cap. 2 Kg.	
Batch Number	: KCARQ2 030/25	
Batch Quantity	: 101.00 Nos.	
Serial Numbers	: 02901 To 3000 And 2905A	
Month of Manufacturing	: Dec/25	
Date of Inspection	: 16-12-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	5.1.3	Extinguishing Agent	Clean agent (HFC 236fa) as per IS 15683:2018	One	Pass
2	5.2	Propellants	The propellants for stored pressure and cartridge operated extinguishers shall be air, carbon dioxide and nitrogen.	All	Nitrogen
3	5.3.2	Filling tolerance	+5% by Mass	One	Pass
4	6.1	Hydro test of the body	Test pressure 35 bar, Hold for 2.5 Min.	All	Pass
5	7.2	Effective discharge time	Approved fire rating is 1A:21B, hence Min. duration is 8 seconds. Sr. No. :02901	One	13.6 SEC.
6	7.2	Bulk range of Discharge	Approved fire rating is 1A:21B, hence Min. bulk range is 2 m. Sr. No. :02901	One	2 Mtr.
7	3.8	Percentage of Discharge	Min 95%, Sr. No. :02901	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. :02902	One	97%
9	7.4.2	Leakage Test	Inverted Glass Jar/ Applying Soap Solution	All	Pass
10	9.2	Construction Requirements	As per IS 15683:2018	All	Pass
11	9.2.2	Burst test for Body	Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding. Sr. No. :02905A	One	158 Bar
12	9.3	Carrying Handle	Requirements as per IS 15683:2018	All	Pass
13	9.4	Mounting Test	As per IS 15683:2018	All	Pass
14	9.5	Valves and Closures	As per IS 15683:2018	All	Pass
15	9.8	Hose Assemblies	Length of hose is 370 mm and shall withstands a hydro pressure of 55 bar for at least 30 seconds.	One	63 Bar
16	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	166 N
17	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	64 N & 69 N
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	57 N & 62 N
19	10.1	Color for body	Shade No. 538 (P.O. Red) of IS 5 and green band to be provided	All	Pass
20	---	Anticorrosive treatment & Painting	Phosphate treatment followed by pure polyester Powder coating with DFT not less than 50μ.	All	85 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 instruction	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)Internal Corrosion test 6)Intermittent discharge 7)Maximum Service Pressure 8)Crushing test 9)Pressure cycling 10) Fire performance test	As per IS 15683:2018	As per Scheme of testing	Pass
26	--	Dimensions and Completeness	Diameter:106±5, Height:410 Approx, Thickness:1.5mm Approx	All	Pass

Remarks: This is to certify that the Clean Agent type Fire Extinguishers of Capacity 2 kg. meets and confirms to the requirements of IS 15683:2018.



Authorized Signatory