

TC No.: CA6/RQ/006/25	Model No.: KCARQ-6	Date: 21-05-2025
Type and Capacity of Extinguisher	: KCARQ-6-Kanex Clean Agent HFC Based Fire Extinguisher Cap. 6 Kg.	
Batch Number	: KCARQ6 006/25	
Batch Quantity	: 101.00 Nos.	
Serial Numbers	: 00501 To 600 And 505A	
Month of Manufacturing	: May/25	
Date of Inspection	: 21-05-2025	

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	5.3.2	Filling tolerance	+5% by Mass	One	Pass
3	6.1	Hydro test of the body	Test pressure 35 bar, Hold for 2.5 Min.	All	Pass
4	7.2	Effective discharge time	Approved fire rating is 2A:55B, hence Min. duration is 13 seconds. Sr. No. :00501	One	29 SEC.
5	7.2	Bulk range of Discharge	Approved fire rating is 2A:55B, hence Min. bulk range is 2 m. Sr. No. :00501	One	3 Mtr.
6	3.8	Percentage of Discharge	Min 95%, Sr. No. :00501	One	95%
7	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. :00502	One	96%
8	7.4.2	Leakage Test	Inverted Glass Jar/ Applying Soap Solution	All	Pass
9	9.2	Construction Requirements	As per IS 15683:2018	All	Pass
10	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. :00505A	One	134 Bar
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	All	Pass
14	9.8	Hose Assemblies	Length of hose is 500 mm and shall withstands a hydro pressure of 55 bar for at least 30 seconds.	One	57 Bar
15	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	154 N
16	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	45N & 50N
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	48N & 53N
18	10.1	Color for body	Shade No. 538 (P.O. Red) of IS 5 and green band to be provided	All	Pass
19	---	Anticorrosive treatment & Painting	Phosphate treatment followed by pure polyester Powder coating with DFT not less than 50μ.	All	69 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 instruction	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)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
25	--	Dimensions and Completeness	Diameter:150±5, Height:530 Approx, Thickness:1.6mm Approx	All	Pass

Remarks: This is to certify that the Clean Agent type Fire Extinguishers of Capacity 6 kg. meets and confirms to the requirements of IS 15683:2018.



Authorized Signatory