

TC No.: D4/S/RQ/005/25	Model No.: KFDRQ-4-S	Date: 30-07-2025
Type and Capacity of Extinguisher	: KFDRQ-4-S-Kanex BC Dry Powder (SBC) CP Fire Extinguisher Cap. 4 Kg.	
Batch Number	: KFDRQ4S 005/25	
Batch Quantity	: 101.00 Nos.	
Serial Numbers	: 00401 To 500 And 405A	
Month of Manufacturing	: Jul/25	
Date of Inspection	: 30-07-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	5.1.4	Extinguishing Agent	SBC Dry Powder Confirms to IS 4308	One	Pass
2	5.3.2	Filling tolerance	±2% 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 183B, hence Min. duration is 15sec. Sr. No. :00401	One	15 SEC.
5	7.2	Bulk range of Discharge	Approved fire rating is 183B, hence Min. bulk range is 2m. Sr. No. :00401	One	3 Mtr.
6	3.8	Percentage of Discharge	Min. 85%, Sr. No. :00401	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. :00402	One	94%
8	9.2	Construction Requirements	120gm CO2 gas cartridge shall conform to IS 4947 and other requirements of IS 15683:2018	All	Pass
9	9.2.2	Burst test of body	Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding . Sr. No. :00405A	One	147 Bar
10	9.3	Carrying Handle	Requirements as per IS 15683:2018	All	Pass
11	9.4	Mounting Test	As per IS 15683:2018	All	Pass
12	9.5	Valves and Closures	As per IS 15683:2018	All	Pass
13	9.8	Hose Assemblies	Length of hose is 465mm and shall withstands a hydro pressure of 55 bar for at least 30 seconds.	One	59 Bar
14	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	167N
15	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	51N & 56N
16	9.10.6	Safety Locking Devices	Tamper indicator shall break with force not more than 70N & other requiremet as per IS 15683:2018	Two	51N & 56N
17	10.1	Color for body	Shade No. 538(P.O. Red) of IS 5 and blue band to be provided	All	Pass
18	--	Anticorrosive treatment & Painting	Phosphate treatment followed by Pure polyester Powder coating with DFT not less than 50μ.	All	(65-90)μ
19	10.2.1	Marking	As per IS 15683:2018	All	Pass
20	10.2.2	Operating Instructions	As per IS 15683:2018	All	Pass
21	10.2.3	Code symbols	As per IS 15683:2018	All	Pass
22	10.3	Inspection instruction	As per IS 15683:2018	All	Pass
23	Type tests	1)Resistance to Temp. changes 2)Impact test 3)Vibrations test 4)External Corrosion test 5)Tapping 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
24	--	Dimensions and Completeness	Diameter: 140±5mm, Height: 510mm Approx, Thickness: 1.6mm Approx	All	Pass

Remarks: This is to certify that the SBC dry Powder (Cartridge operated) Type Fire Extinguisher of Capacity 4 kg. meets and confirms to the requirements of IS 15683:2018.



Authorized Signatory