

TC No.: MA6/A40/RQ/143/25	Model No.: MARQ-6-50%	Date: 29-04-2025
Type and Capacity of Extinguisher	: MARQ-6-50%-Kanex ABC Dry Powder Fire Extinguisher Cap. 6 Kg.	
Batch Number	: MARQ50%6 143/25	
Batch Quantity	: 101.00 Nos.	
Serial Numbers	: 14201 To 14300 And 14205A	
Month of Manufacturing	: Apr/25	
Date of Inspection	: 29-04-2025	

Sr. Nos.	Cl. No.	Tests and Inspection	Requirements	Sampling	Observation
1	5.1.4	Extinguishing Agent	MAP 50% Dry Powder Conforms 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 4A:144B, hence Min. duration is 15sec. Sr. No. :14201	One	24 SEC.
5	7.2	Bulk range of Discharge	Approved fire rating is 4A:144B, hence Min. bulk range is 2m. Sr. No. :14201	One	5 Mtr.
6	3.8	Percentage of Discharge	Min. 85%, Sr. No. :14201	One	97%
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. :14202	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 of body	Min. Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding . Sr. No. :14205A	One	148 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 465mm and shall withstand a hydro pressure of 55 bar for at least 30 seconds.	One	64 Bar
15	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	168N
16	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	67N & 72N
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	58N & 63N
18	10.1	Color for body	Shade No. 538(P.O. Red) of IS 5 and blue 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	(65-90)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 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)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
25	--	Dimensions and Completeness	Diameter: 150±5mm, Height: 530mm Approx, Thickness: 1.3mm Approx	All	Pass

Remarks: This is to certify that the ABC Dry Powder (Stored Pressure) type Fire Extinguisher of Capacity 6 kg. meets and conforms to the requirements of IS 15683:2018



Authorized Signatory