

TC No.: MA6/A40/RQ/380/25	Model No.: MARQ-6-50%	Date: 30-12-2025
Type and Capacity of Extinguisher	: MARQ-6-50%-Kanex ABC Dry Powder Fire Extinguisher Cap. 6 Kg.	
Batch Number	: MARQ50%6 380/25	
Batch Quantity	: 101.00 Nos.	
Serial Numbers	: 37901 To 38000 And 37905A	
Month of Manufacturing	: Dec/25	
Date of Inspection	: 30-12-2025	

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	5.2	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	±2% 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 4A:144B, hence Min. duration is 15sec. Sr. No. :37901	One	22 SEC.
6	7.2	Bulk range of Discharge	Approved fire rating is 4A:144B, hence Min. bulk range is 2m. Sr. No. :37901	One	5 Mtr.
7	3.8	Percentage of Discharge	Min. 85%, Sr. No. :37901	One	95%
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. :37902	One	95%
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 of body	Min. Burst pressure shall be 55 bar if break from body and shall be 80 bar if break from welding . Sr. No. :37905A	One	140 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 465mm and shall withstand a hydro pressure of 55 bar for at least 30 seconds.	One	60 Bar
16	9.9	Method of Operation	Max. force required to operate the valve with full hand is 200N	One	160N
17	9.10.1	Safety Locking Devices	Force required to remove safety locking device is 20N-100N	Two	56N & 61N
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	53N & 58N
19	10.1	Color for body	Shade No. 538(P.O. Red) of IS 5 and blue 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	(65-90)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)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
26	--	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