National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : BUILDING FIRE RESEARCH CENTRE, THE NATIONAL INSTITUTE OF ENGINEERING, MANANTODY ROAD, MYSORE, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5939 **Page No** 1 of 2

Validity 23/02/2022 to 22/02/2024 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Exitnguishers	Pressure Cyclic test	(cl.9.2.4) IS 15683
2	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguisher	Crushing Test	(cl.9.2.3) IS 15683
3	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Burst Test	(cl. 9.2.2) IS 15683
4	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Corrosion test (External)	(cl.7.6.1) IS 15683
5	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Fill density	(cl.5.3.1) IS 15683
6	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Filling Diameter of the Cylinder	(9.2.5 3, 9.2.6.1) IS 15683
7	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Fire Rating Test	(cl. 8.3,8.4,8.1.3) IS 15683
8	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Intermittent Discharge Test	(cl.7.8) IS 15683
9	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Low pressure Extinguishers General requirements	(cl.9.2.1.1 to 9.2.1.8.3) IS 15683
10	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Mechanical Resistance Test (Impact test)	(cl.7.5) IS 15683
11	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Minimum Effective discharge time and Bulk range of discharge	(cl.7.2) IS 15683
12	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Resistance to Temperature Change	(cl.7.3) IS 15683
13	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Resistance to Vibration	(cl.7.5.2) IS 15683

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14	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Retention of Charge Leakage test	(cl.7.4.2) IS 15683
15	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Retention of Charge 1) Routine checks	(cl.7.4) IS 15683
16	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Safety Locking Device	(cl.9.10) IS 15683
17	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Sheet Thickness Measurement	(cl.9.2.5.3 and cl9.2.6.3) IS 15683
18	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Fire Extinguishers	Tapping Test	(cl.7.7) IS 15683
19	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Metallic and Non Metallic Doors	Fire Performance Test	IS 3614