National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATERIAL TESTING GROUP(MTG), A UNIT OF DEFENCE BIOENGINEERING AND ELECTROMEDICAL LABORATORY (DEBEL), DRDO, MINISTRY OF DEFENCE, ADE CAMPUS, C V RAMAN NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-4107 **Page No** 1 of 2

Validity 09/05/2023 to 08/05/2025 **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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Hydrogen Sulphide Gas Analysis	IS 5182 part VII
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nitrogen Dioxide Gas Analysis	IS 5182 part VI
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide Gas Analysis	IS 5182 part II
4	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Acetone	DEBEL/SOP/I/7/02 by GC-FID
5	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Benzene	DEBEL/SOP/I/7/02 by GC-FID
6	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Ethyl acetate	DEBEL/SOP/I/7/02 by GC-FID
7	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Methanol	DEBEL/SOP/I/7/02 by GC-FID
8	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Toluene	DEBEL/SOP/I/7/02 by GC-FID
9	CHEMICAL- ATMOSPHERIC POLLUTION	Emissions from Non-metallic materials	Xylene	DEBEL/SOP/I/7/02 by GC-FID
10	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia gas Analysis	Methods of Air Sampling and Analysis. III edition . James P.Lodge,JR.,Editor
11	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Determination of resistance to penetration by water	ISO 1420:2016 Fourth edition
12	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Ash determination by sulfation	ASTM D-297 (Sec-37)
13	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Dimensional-Change	ASTM D-471-16a(Sec-13)
14	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Flammability	ISO 8030
15	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Free Sulfur	ASTM D-297 (Sec-29)
16	CHEMICAL- RUBBER & RUBBER PRODUCTS	Rubber products	Vapor Transmission of volatile liquids	ASTM D-814
17	CHEMICAL- SOLID FUELS	Activated Carbon	Adsorption capacity for carbon tetrachloride	IS 877
18	CHEMICAL- SOLID FUELS	Activated carbon	Ash content	IS 877
19	CHEMICAL- SOLID FUELS	Activated carbon	Chloride	DEBEL/SOP/III/8/02

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20	CHEMICAL- SOLID FUELS	Activated carbon	Cyanogens compound	IS 877
21	CHEMICAL- SOLID FUELS	Activated carbon	Decolourising power	IS 877
22	CHEMICAL- SOLID FUELS	Activated carbon	Iodine absorption value of activated carbon	IS 2752
23	CHEMICAL- SOLID FUELS	Activated Carbon	Matter soluble in acid	IS 877
24	CHEMICAL- SOLID FUELS	Activated Carbon	Matter soluble in water	IS 877
25	CHEMICAL- SOLID FUELS	Activated carbon	Moisture	IS 877
26	CHEMICAL- SOLID FUELS	Activated carbon	pH	IS 877
27	CHEMICAL- SOLID FUELS	Activated carbon	Sulphate	IS 877
28	CHEMICAL- SOLID FUELS	Activated carbon	Surface area	IS 2752,Sec A-4