



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

MPRAGATI IIT DELHI, 3C4, RESEARCH & INNOVATION PARK, IIT DELHI, HAUZ KHAS, NEW DELHI,
SOUTH WEST, DELHI, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-14081

Page No

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Validity

11/07/2024 to 10/07/2026

Last Amended on

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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 Testing				
1	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Biomaterials (Metals and Metallic Alloys)	Elongation after Fracture	ASTM E8/E8M
2	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Biomaterials (Metals and Metallic Alloys)	Fatigue life	ISO 22407
3	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Biomaterials (Metals and Metallic Alloys)	Ultimate Tensile Strength	ASTM E8/E8M
4	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Biomaterials (Metals and Metallic Alloys)	Yield Strength	ASTM E8/E8M
5	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Compressive Strength	ASTM D695
6	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Compressive Yield Strength	ASTM D695
7	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Flexural Strain	ASTM D790
8	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Flexural Strength	ASTM D790
9	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Modulus of elasticity in compression	ASTM D695
10	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Modulus of Elasticity	ASTM D638



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11	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Percent elongation at break	ASTM D638
12	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Tangent modulus in bending	ASTM D790
13	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Tensile strength at break	ASTM D638
14	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Tensile strength at Yield	ASTM D638
15	MECHANICAL-PLASTICS AND PLASTIC PRODUCTS	Biomaterials (Polymers)	Uniaxial Fatigue Limit	ASTM D7791