National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CIPET: SARP-ARSTPS, T. V. K. INDUSTRIAL ESTATE, GUINDY, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9932 **Page No** 1 of 3

Validity 04/10/2021 to 03/10/2023 **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- PLASTIC & RESINS	Fiber Reinforced Composites	Glass Fiber Content	IS 14856
2	CHEMICAL- PLASTIC & RESINS	Plastics Materials and Products	Ash Content	ASTM D 5630
3	CHEMICAL- PLASTIC & RESINS	Plastics Materials and Products	Chemical Resistance	ASTM D 543
4	CHEMICAL- PLASTIC & RESINS	Plastics Materials and Products	Water Absorption	ASTM D 570
5	CHEMICAL- PLASTIC & RESINS	Sandwiched Composite materials	Water Absorption	ASTM C 272
6	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Acrylic Bone Cement	Controlled Fatigue Test	ASTM F 2118
7	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Acrylic Bone Cement	Flexural Fatigue	ISO 16402
8	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Baloon Stents	Three Point bending test	ASTM F 2606
9	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Bone Screw	Axial Pull Strength	ASTM F 543
10	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Bone Screw	Breaking Angle	ASTM F 543
11	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Bone Screw	Dimension	ASTM F 543
12	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Bone Screw	Maximum Torque	ASTM F 543
13	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Bone Screw	Torsional Yield Strength	ASTM F 543
14	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Containers	Vibration Test	ASTM D 999
15	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Double Lap shear	ASTM D 3528
16	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Fiber Areal Weight	ASTM D 3776
17	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Fire Retardancy	IS 14856
18	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Ignition Loss	ASTM D 2584

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19	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Lap Shear	ASTM D 3164
20	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Short beam Shear	ASTM D 2344
21	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Tension - Tension fatigue	ASTM D 3479
22	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Void Content	ASTM D 2734
23	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Fiber Reinforced Composites	Volatile content	ASTM D 3530
24	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam	Compression set	IS 7888
25	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Foam	Density	IS 7888
26	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Medical Implants	Cyclic Fatigue Testing for Knee Joints	ASTM F 1800
27	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Medical Implants	Cyclic Fatigue Testing for Knee Joints	ASTM F 3140
28	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic products	Shore A hardness	ASTM D 2240
29	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic products	Shore D	ASTM D 2240
30	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Products / Components / Packages	Vibration	ISO 2247
31	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastic Smart cards	Dynamic Torsion test	ISO 10373-1
32	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics material and products	Flexural fatigue	ASTM D 7774
33	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics materials and Products	fatigue Resistance (S-N) curve	ASTM E 739
34	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics materials and products	Flammability (rate of burning)	ASTM D 635
35	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics materials and Products	Uniaxial fatigue	ASTM D 7791
36	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Smart Cards	Dimension of cards	ISO 10373-1
37	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Smart Cards	Dynamic Bending test	ISO 10373-1

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38	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Plastics Smart cards	Warpage	ISO 10373-1
39	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Polymer Products and Materials	Density	ASTM D 792
40	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber	Compression set	ASTM D 395
41	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber	Cyclic fatigue	ASTM D 4482
42	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Rubber	Wear resistance	ASTM G 99
43	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Sandwiched composite	Density of Core Materials	ASTM C 271
44	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Sandwiched composite materials	Compression strength	ASTM C 365
45	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Sandwiched Composite materials	Shear Strength	ASTM C 393
46	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Sandwiched Core Materials	Tensile strength	ASTM C 297
47	MECHANICAL- PLASTICS AND PLASTIC PRODUCTS	Stents	Dimension measurements	ISO 25539-2