National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	SHIVMALHAR LABORATORIES (A DIVISION OF SHIVMALHAR TECHNOLOGIES PVT. LTD), PLOT NO. 96, PERFECT CO-OPERATIVE HOUSING SOCIETY, PANNASE NAGAR, BHAMTI, NAGPUR, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8079	**Page No**	1 of 5
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	10/12/2021

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- ORES & MINERALS	BAUIXTE	Titanium(TiO2)%	IS 2000 PART 5
2	CHEMICAL- ORES & MINERALS	BAUXITE	Alumina (Al2O3) %	IS 2000 PART 3
3	CHEMICAL- ORES & MINERALS	BAUXITE	Iron as (Fe2O3)	IS 2000 PART 4
4	CHEMICAL- ORES & MINERALS	BAUXITE	loss on Ignition	IS 2000 PART1
5	CHEMICAL- ORES & MINERALS	BAUXITE	Silica (SiO2)	IS 2000 PART 2
6	CHEMICAL- ORES & MINERALS	Graphite	Ash %	IS 11321
7	CHEMICAL- ORES & MINERALS	Graphite	Fixed carbon %	IS 11321
8	CHEMICAL- ORES & MINERALS	Graphite	Moisture %	IS 11321
9	CHEMICAL- ORES & MINERALS	Graphite	volatile matter %	IS 11321
10	CHEMICAL- ORES & MINERALS	Iron Ore	Alumina as Al2O3	IS 1493 Prat 1
11	CHEMICAL- ORES & MINERALS	Iron Ore	Iron Oxide as Fe2O3	IS 1493 Part 1
12	CHEMICAL- ORES & MINERALS	Iron Ore	Lime As CaO %	IS 1493 Part 1
13	CHEMICAL- ORES & MINERALS	Iron Ore	loss on Ignition %	ISO 11536
14	CHEMICAL- ORES & MINERALS	Iron Ore	Magnesia As MgO %	IS 1493 Part 1
15	CHEMICAL- ORES & MINERALS	Iron Ore	Moisture	IS 1493 Part 1
16	CHEMICAL- ORES & MINERALS	Iron ore	Phosphorus as P %	IS 1493 Part 1
17	CHEMICAL- ORES & MINERALS	Iron Ore	Silica SiO2 %	IS 1493 Part 1
18	CHEMICAL- ORES & MINERALS	Iron Ore	Sulphur as S %	IS 1493 Part 1

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19	CHEMICAL- ORES & MINERALS	Lime stone & Dolomite	Magnesium oxide as (MgO) %	IS 1760 Part 3
20	CHEMICAL- ORES & MINERALS	Lime stone and Dolomite	Calcium as CaO %	IS 1760 Part 3
21	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Silica as SiO2 %	IS 1760 Part 2
22	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Iron as Fe2O3 %	IS 1760 Part 3
23	CHEMICAL- ORES & MINERALS	Limestone & Dolomite	Loss on Ignition	IS 1760 Part 1
24	CHEMICAL- ORES & MINERALS	Limestone and Dolomite	Alumina as Al2O3 %	IS 1760 Part 3
25	CHEMICAL- ORES & MINERALS	Limestone and dolomite	Chloride as Cl %	IS 1760 Part 5
26	CHEMICAL- ORES & MINERALS	Manganese Ore	Calcium oxide %	IS 1473
27	CHEMICAL- ORES & MINERALS	Manganese Ore	Iron total Fe %	IS 1473
28	CHEMICAL- ORES & MINERALS	Manganese Ore	Magnesium oxide %	IS 1473
29	CHEMICAL- ORES & MINERALS	Manganese Ore	Manganese total Mn %	IS 1473
30	CHEMICAL- ORES & MINERALS	Manganese Ore	Phosphorus %	IS 1473
31	CHEMICAL- ORES & MINERALS	Manganese Ore	Potassium oxide %	IS 1473
32	CHEMICAL- ORES & MINERALS	Manganese Ore	Silica %	IS 1473
33	CHEMICAL- ORES & MINERALS	Manganese Ore	Sodium oxide %	IS 1473
34	CHEMICAL- ORES & MINERALS	Quartzite	Iron as Fe2O3 %	IS 1917 Part 5
35	CHEMICAL- ORES & MINERALS	Quartzite	Loss on Ignition %	IS 1917 Part 1
36	CHEMICAL- ORES & MINERALS	Quartzite	Silica %	IS 1917 Part 3
37	CHEMICAL- PAPER AND PULP	PAPER AND PULP BASED PACKAGING ITEM	pH of water extract	IS 1060 PART 1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8079 **Page No** 3 of 5

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 10/12/2021

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38	CHEMICAL- PAPER AND PULP	PAPER AND PULP BASED PACKAGING MATERIAL	Ash content	IS 1060 Part 1
39	CHEMICAL- SOLID FUELS	Coal	ASH CONTENT	IS 1350 Part 1
40	CHEMICAL- SOLID FUELS	Coal	Gross Calorific value	IS 1350 Part 2
41	CHEMICAL- SOLID FUELS	Coal	Moisture in Analysis Sample	IS 1350 Part 1 Cl: 6.3.2,Method:II
42	CHEMICAL- SOLID FUELS	Coal	Volatile matter %	IS 1350 Part 1
43	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric, Apparel/Garment, Made Ups	binary mixture of polyester fiber with cotton or regenerated cellulose %	IS 3416
44	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric, Apparel/Garment,Made Ups	Colour fastness to washing with soap or soda	IS/ISO 105(Part C-10)
45	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric, Apparel/Garment,Made Ups	Identification of Textiles Fiers	IS 667
46	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric, Apparel/Garment,Made Ups	pH of Aquesous Extracts of fixative materials	IS 1390
47	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric,Apparel/ Garment, Made Ups	binary mixture of protein fibers with certain other non-protein fibers %	IS 2006
48	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric,Apparel/ Garment,Made Ups	Colour fastness of textiles materials to rubbing	IS 766
49	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric,Apparel/Garment,Made Ups	Colour fastness of textiles materials to Perspiration	IS 971
50	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric,Apparel/Garment,Made Ups	colour fastness of textiles materials to water	IS 767
51	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Finished Fabric,Apparel/Garment,Made Ups	textiles binary mixture of acrylics and certain other fibers methods %	IS 3421
52	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025 Prat 40
53	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 Part 32
54	CHEMICAL- WATER	Drinking Water	colour	IS 3025 PART4
55	CHEMICAL- WATER	Drinking Water	Dissolved Solid	IS 3025 PART 16
56	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 PART 53
57	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	IS 3025 PART 46
58	CHEMICAL- WATER	Drinking Water	NITRATES (AS NO3)	IS 3025 PART 34
59	CHEMICAL- WATER	Drinking Water	pH	IS 3025 PART 11

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8079 **Page No** 4 of 5

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60	CHEMICAL- WATER	Drinking Water	SULPHATE (AS SO4)	IS 3025 PART 24
61	CHEMICAL- WATER	Drinking Water	TOTAL ALKALINITY	IS 3025 PART 23
62	CHEMICAL- WATER	Drinking Water	TOTAL HARDNESS	IS 3025 PART 21
63	CHEMICAL- WATER	Drinking Water	TOTAL SOLID	IS 3025 PART 15
64	CHEMICAL- WATER	Drinking Water	TURBIDITY	IS 3025 PART 10
65	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	Brightness	IS 1060 Part 1
66	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	COBB Test	IS 1060 Part 1
67	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	Grammage /Substance	IS 1060 Part 1
68	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	Opacity	IS 1060 Part 1
69	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	Tear Index (CD/MD)	IS 1060 Part 1
70	MECHANICAL- PAPER & PAPER PRODUCTS	PAPER AND PAPER PRODUCTS	TENSILE INDEX (CD/MD)	1S 1060 Part 1
71	MECHANICAL- TEXTILE MATERIALS	Fabric(Woven & Non-woven)	Mass per unit length & mass per unit area of fabric	IS 1964
72	MECHANICAL- TEXTILE MATERIALS	Jute bags and fabric	Breaking Strength(Strip Method)(N)-Warp way & Weft Way	IS 1969
73	MECHANICAL- TEXTILE MATERIALS	Jute Bags and Fabrics	Dimensions(cm)-Length, Width & Valve	IS 1954
74	MECHANICAL- TEXTILE MATERIALS	Jute Bags and fabrics	Ends/dm & Picks/dm	IS 1963
75	MECHANICAL- TEXTILE MATERIALS	Jute bags and fabrics	No. Of Stitching Of Seam/dm	IS 1963
76	MECHANICAL- TEXTILE MATERIALS	Jute Bags and fabrics	Seam Strength Of Bag(N)	IS 9030
77	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Breaking Load & Elongation of woven textiles material	IS 1969
78	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Crease recovery angle	IS 4681
79	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Length and Width of woven fabric	IS 1954

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80	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Pilling resistance of fabrics	IS 10971
81	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Stiffness of fabrics- cantilever test	IS 6490
82	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Tear resistance by the falling pendulum method	IS 6489
83	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Threads per unit length in woven fabric	IS 1963
84	MECHANICAL- TEXTILE MATERIALS	Woven Fabric	Twist in Yarn	IS 832
85	MECHANICAL- TEXTILE MATERIALS	Yarns	Breaking load and elongation of single strand	IS 1670
86	MECHANICAL- TEXTILE MATERIALS	Yarns	Linear density of yarns spun on cotton system	IS 1315
87	MECHANICAL- TEXTILE MATERIALS	Yarns	Yarns Strength(spun on cotton system)	IS 1671