



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIRIDIAN TESTING LABORATORIES LLP, 8/3176-A5, JOTHIPURAM, 2ND STREET, PN ROAD, PANDIYAN NAGAR, TIRUPUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-10000

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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 Facility				
1	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System	ASTM F1671/F1671M
2	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood	ASTM F1670/F1670M
3	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of protective clothing materials to penetration by blood and body fluids - Test method using synthetic blood	IS 16546
4	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of protective clothing materials to penetration by blood and body fluids - Test method using synthetic blood	ISO 16603
5	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X 174 bacteriophage	ISO 16604
6	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance of protective clothing materials to penetration by blood-borne pathogens - Test method using Phi-X174 bacteriophage	IS 16545
7	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance to Dry Microbial Penetration	IS 16548
8	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance to dry microbial penetration	ISO 22612
9	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance to Wet Bacterial Penetration	IS 16549



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10	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Gown, Drapes & Coverall	Resistance to wet bacterial penetration	ISO 22610
11	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Surgical Face mask, Gown, Drapes & Coverall	Bacterial Filtration Efficiency	ASTM F 2101
12	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Surgical Face mask, Gown, Drapes & Coverall	Bacterial Filtration Efficiency	EN 14683 (Annex-B)+AC
13	BIOLOGICAL- BIOLOGICAL TESTS ON OTHER MISCELLANEOUS TEST ITEMS	Surgical Face mask, Gown, Drapes & Coverall	Bacterial Filtration Efficiency	IS 16288
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted & Woven fabric	Spirality after laundering - Part 2: Woven and knitted fabrics	IS/ISO 16322-2
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted & Woven Fabrics	Dimensional Changes of Fabrics after Home Laundering	AATCC 135
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted & woven Garments	Dimensional Changes of Garments after Home Laundering	AATCC 150
17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabric & Garments	Dimensional Change in washing drying	BS EN ISO 5077:2018, BS EN ISO 3759 :2011 BS EN ISO 6330
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabric & Garments	Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Color fastness to domestic and commercial laundering	ISO 105 C06
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Color fastness to perspiration	BS EN ISO 105 E04
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Color fastness to rubbing	BS EN ISO 105 X12
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Color fastness to water	BS EN ISO 105 E01
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Colorfastness to Crocking: Crock meter Method	AATCC 8



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24	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Colorfastness to Laundering: Accelerated	AATCC 61
25	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Colorfastness to Perspiration	AATCC 15
26	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Colour fastness to Water	AATCC 107
27	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	pH of aqueous extract	ISO 3071
28	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	pH of the Water-Extract from Wet Processed Textiles	AATCC 81
29	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Surgical Face mask & Medical textile & Protective Textiles	Flammability of Clothing Textiles (Step 1—Testing in the original state)	16 CFR 1610
30	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Surgical face mask & Medical textile & Protective Textiles	Flammability of Apparel Textiles (As Received)	ASTM D 1230
31	MECHANICAL- TEXTILE MATERIALS	Fabric (Knitted, Woven and Non-woven) & Medical Textiles & Protective Textiles	Water Resistance: Hydro static Pressure Test	AATCC 127 (Option 2)
32	MECHANICAL- TEXTILE MATERIALS	Fabric (Knitted and Woven)	Thickness of Textile Materials	ASTM D1777 (Option 1)
33	MECHANICAL- TEXTILE MATERIALS	Fabric (Knitted, Woven and Non-woven) & Protective Textiles	Resistance to water penetration - Hydro static pressure test	ISO 811
34	MECHANICAL- TEXTILE MATERIALS	Fabric (Knitted, Woven and Non-woven) & Protective Textiles	Resistance to water penetration - Impact penetration test	ISO 18695 (Type 1)
35	MECHANICAL- TEXTILE MATERIALS	Fabric (Knitted, Woven and Non-woven) & Protective Textiles	Water Resistance: Impact Penetration Test	AATCC 42 (Type 1)
36	MECHANICAL- TEXTILE MATERIALS	Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Tensile Strength (Maximum Force) - Part 2: GRAB METHOD	IS 1969-2
37	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Maximum force to seam rupture using the grab method	ISO 13935-2
38	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Tensile Strength (maximum force) using the grab method	ISO 13934-2
39	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Tensile Strength (Maximum force) using the strip method	ISO 13934-1
40	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Breaking Force of Textile Fabrics (Strip Method)	ASTM D5035
41	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Breaking Strength of Textile Fabrics (Grab Test)	ASTM D5034



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42	MECHANICAL- TEXTILE MATERIALS	Fabric (Woven and Non-woven) & Medical Textiles & Protective Textiles	Tensile Strength (Maximum Force) - Part 1: Strip Method	IS 1969-1
43	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Mass Per Unit Area (Weight) of Fabric	ASTM D3776/D3776M (Option C)
44	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Mass per unit area using small samples	BS EN 12127 (Clause 8.3)
45	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Pilling Resistance of Textile Fabrics using Random Tumble Pilling Tester	ASTM D3512/D3512M
46	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Mass per Unit Area of Fabrics	IS 1964 (Method A)
47	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Abrasion Resistance of fabrics by the Martindale method - Part 2: specimen breakdown	DIN EN ISO 12947-2
48	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)	ASTM D4966
49	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Bursting Strength of fabric - Part 1: Hydraulic Method	IS 1966-1
50	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Bursting Strength of fabrics - Part 1: Hydraulic method	ISO 13938-1
51	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Bursting Strength using Diaphragm Bursting Strength Tester	ASTM D3786/D3786M
52	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)	ASTM D2261
53	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Fabric (woven & Non Woven) & Medical textile & Protective Textiles	Tearing Strength of Fabrics by Trapezoid Procedure	ASTM D5587
54	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Mass per unit area	ISO 3801 (Method 5)
55	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric	Thickness of textiles and textile products	ISO 5084
56	MECHANICAL- TEXTILE MATERIALS	Knitted Fabrics & garments & Woven Fabric & Medical textile & Protective Textiles	Pilling Resistance of Textile Fabrics: Martindale Tester	ASTM D4970/D4970M
57	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Breathability (Differential Pressure)	EN 14683 (Annex-C)+AC



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58	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Design	EN 14683 (Clause.5.1.1)+AC
59	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Initial Efficiency of Materials Used in Medical Face Masks to Penetration by Particulates Using Latex Spheres	ASTM F2299/F2299M
60	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Material & Construction	EN 14683 (Clause no.5.1.2)+AC
61	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Resistance against penetration by synthetic blood (fixed volume, horizontally projected) - Medical face masks.	ISO 22609
62	MECHANICAL- TEXTILE MATERIALS	Medical face mask	Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)	ASTM F1862/F1862M
63	MECHANICAL- TEXTILE MATERIALS	Medical Face mask	Sub-micron Particulate Filtration Efficiency	IS 16289 (Annex E)
64	MECHANICAL- TEXTILE MATERIALS	Non Woven Fabric & Medical Textiles & Protective Textiles	Tensile strength	DIN EN 29073-3
65	MECHANICAL- TEXTILE MATERIALS	Non Woven Fabric & Medical Textiles & Protective Textiles	Tensile strength	IS 15891-3
66	MECHANICAL- TEXTILE MATERIALS	Non Woven Fabric & Medical Textiles & Protective Textiles	Tensile strength	ISO 9073-3
67	MECHANICAL- TEXTILE MATERIALS	Non woven Fabrics	Mass per unit area	IS 15891 (Part-1)
68	MECHANICAL- TEXTILE MATERIALS	Non woven fabrics & Medical Textiles & Protective Textiles	Tear resistance by the trapezoid procedure	ISO 9073-4
69	MECHANICAL- TEXTILE MATERIALS	Non-woven Fabrics	Mass per unit area	ISO 9073-1
70	MECHANICAL- TEXTILE MATERIALS	Non-woven fabrics	Thickness of Non woven Fabrics	ASTM D5729
71	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Air Flow resistance	ASTM F 3502 (Clause 8.2)
72	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	De-mountable parts	IS 9473 (Clause 5.13 & A-11)
73	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Fit testing Using Ambient Aerosol Condensation Nuclei Counter	29 CFR 1610.134 section C- 3



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74	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Particulate Filter efficiency Level for N100	NIOSH Procedure- TEB-APR-STP-0057
75	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Particulate Filter efficiency Level for N95	NIOSH Procedure- TEB-APR-STP-0059
76	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Particulate Filter efficiency Level for N99	NIOSH Procedure- TEB-APR-STP-0058
77	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Respiratory protective devices - Part 7: Determination of particle filter penetration	BS EN 13274-7
78	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Sub-Micron Particulate Filtration Efficiency	ASTM F 3502 (Clause 8.1)
79	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Breathing Resistance	EN 149 (Clause 7.16 & 8.9)+A1
80	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Breathing Resistance	IS 9473 (Clause 5.11& A-8)
81	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Carbon dioxide content of the inhalation air	EN 149 (Clause 7.12 & 8.7)+A1
82	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Carbon dioxide content of the inhalation air	IS 9473 (Clause 5.7 & A-6)
83	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Cleaning and disinfecting (For Reusable Respirator)	EN 149 (Clause 7.6 , 8.4 ,8.5 , 7.9.2 & 8.11)+A1
84	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Cleaning and disinfecting (For Reusable Respirator)	IS 9473 (Clause 5.2)
85	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Clogging Test using Dolomite Dust (For Reusable respirator)	IS 9473 (Clause 5.12, A-8 & A-9)
86	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Clogging test using Dolomite Dust(For Reusable Respirator)	EN 149 (Clause 7.17, 7.9.2, 8.9 , 8.10 & 8.11)+A1
87	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Compatibility with skin	EN 149 (Clause 7.10 , 8.4 & 8.5)+A1
88	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Compatibility with skin	IS 9473 (Clause 5.5)
89	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	De-mountable parts	EN 149 (Clause 7.18 & 8.2)+A1
90	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Exhalation resistance test	NIOSH Procedure- TEB-APR-STP-0003
91	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Exhalation valve	EN 149 (Clause 7.15, 8.2, 8.8, 8.3.4 & 8.9.1)+A1



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92	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Field of vision	EN 149 (Clause 7.14 & 8.4)+A1
93	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Field of vision	IS 9473 (Clause 5.9, A-2 & A-8)
94	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Finish of parts	EN 149 (Clause 7.8 & 8.2)+A1
95	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Flammability	EN 149 (Clause 7.11 & 8.6)+A1
96	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Flammability	IS 9473 (Clause 5.6 & A-5)
97	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Head Hardness	EN 149 (Clause 7.13, 8.4 & 8.5)+A1
98	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Head Hardness	IS 9473 (Clause 5.8, A-2 & A-3)
99	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Inhalation and Exhalation valve	IS 9473 (Clause 5.10, A-1.2, A-3 & A-7)
100	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Inhalation resistance test	NIOSH Procedure- TEB-APR-STP-0007
101	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Material	EN 149 (Clause 7.5 & 8.2, 8.31 & 8.3.2)+A1
102	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Material (Visual Inspection)	IS 9473 (Clause 5.1, A-1, A-1.1 & A-1.2)
103	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Packaging	EN 149 (Clause 7.4 & 8.2)+A1
104	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Penetration of Filter material	EN 149 (Clause 7.9.2, 8.11, 8.3.1, 8.3.2 & 8.3.3)+A1
105	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Penetration of Filter material	IS 9473 (Clause 5.4.2 & A-1.1, A-1.2 & A-1.3)
106	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Practical Performance	EN 149 (Clause 7.7 & 8.4)+A1
107	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Practical Performance	IS 9473 (Clause 5.3 & A-2)
108	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Total Inward Leakage	EN 149 (Clause 7.9.1 & 8.5)+A1
109	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Total Inward Leakage	IS 9473 (Clause 5.4.1 & A-3)
110	MECHANICAL- TEXTILE MATERIALS	Respiratory protective devices	Visual inspection	EN 149 (Clause 7.3 & 8.2)+A1



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111	MECHANICAL- TEXTILE MATERIALS	Surgical Face mask	Breathability (Differential Pressure)	IS 16289 (Annex-C)
112	MECHANICAL- TEXTILE MATERIALS	Surgical Face mask	Design	IS 16289 (Clause . 4.1.2)
113	MECHANICAL- TEXTILE MATERIALS	Surgical Face mask	Marking	IS 16289 (Clause.5)
114	MECHANICAL- TEXTILE MATERIALS	Surgical Face mask	Material & Construction	IS 16289 (Clause .4.1.1)
115	MECHANICAL- TEXTILE MATERIALS	Surgical Face mask	Splash Resistance	IS 16289 (Annex D)
116	MECHANICAL- TEXTILE MATERIALS	Woven Fabrics & Medical Textiles & Protective Textiles	Failure in Sewn Seams of Woven Fabrics	ASTM D1683/D1683M
117	MECHANICAL- TEXTILE MATERIALS	Yarns	Linear Density of Yarn (Yarn Number) by the Skein Method	ASTM D1907/D1907M (Option 1)