



TEXTILES COMMITTEE
(Government of India, Ministry of Textiles)



REVISED TEST CHARGES OF LABORATORIES OF TEXTILES COMMITTEE
With effect from February-2018

1.Physical Parameter		
S.No	TEST PARAMETER	*Test charges(Rs.)
FIBRE: Cotton		
1	Moisture Content	300
2	Trash Content	300
3	Fibre Maturity (NaOH swelling method)	600
4	HVI Parameters	250
FIBRE : Wool		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Wool Fibre length	500
2	Fibre fineness (Projection method)	500
3	Fibre strength (single fibre measurement)	1600
4	Percentage medullated fibre content in wool fibre	600
5	Moisture content	300
6	Wool fibre grade of raw wool	600
FIBRE : Man Made		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Mean fibre length	1000
2	Titre (denier) by cut and weigh method	550
3	Tensile characteristics of individual fibre and elongation:	
	✓ Tenacity and elongation at break (single fibre)	2000
	✓ Elastic recovery extra	800
	✓ Modulus characteristics - extra	800
4	Fibre diameter / Linear density	500
5	Structural studies (IR Spectroscopic scan)	1600



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YARN		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Lea count with CV%	250
2	Yarn appearance grade – ASTM (single spun yarn)	300
3	Strength of yarn / Tenacity:	
	✓ Single thread strength / Rkm / Tenacity with elongation (%)	550
	✓ Lea strength and count	550
	✓ Individual value	100
4	Evenness (U%) of	
	✓ Yarn	550
	✓ Roving	550
	✓ Sliver	550
	✓ Spectrograph or diagram	150
	✓ Individual values	150
5	Fibre staple length of yarn	1500
6	Denier of multifilament yarn	300
7	Twist per inch including direction of twist per sample	
	✓ Single yarn	300
	✓ Plied yarn	300
	✓ Single of plied / cabled yarn	500
	✓ Twist in filament yarn	300
	✓ Balance of twist	250
8	Moisture content	250
9	Loop Strength	550
10	Hairiness	200
11	Length of yarn / spool	300



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FABRIC		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Dimensional Test :	
	✓ Width and length	150
	✓ Weight per square /GSM / linear metre	200
	✓ Thickness	200
2	Ends and picks	200
3	Count of yarn :	
	✓ As received	200
	✓ After removal of added matter	300
4	Cover factor (inclusive of Count and Threads per inch)	600
5	Strength of yarn removed from fabric	500
6	Tensile strength of fabric with elongation	
	✓ At break	550
	✓ At specified load, extra charge	150
7	Seam breaking strength	550
8	Seam slippage	800
9	Grab test	550
10	Bonding strength of bonded fabric	550
11	Permeability	
	✓ Water cone test	400
	✓ Air (low pressure test)	400
	✓ Water permeability	650
	✓ Water repellency (Spray test)	400
	✓ Bundesmann Water repellency	400
12	Twist per inch of yarn removed from fabric per sample	
	✓ Resultant	500
	✓ Single yarn	500



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	✓ Single of plied / cabled yarn	650
13	Tear resistance (Tongue)	550
14	Tear resistance (Elmendorf)	400
15	Crease recovery – dry or / wet (Per wash extra charges as applicable for laundering)	550
16	Pilling resistance	
	• By Pill Box	500
	• By Tumble Pilling tester- Atlas	650
	• Upto 1000 rubs (Martindale)	350
	• Each additional 500 rubs (Martindale)	100
17	Snap Button Pull Strength	500
18	Stretch & Recovery of Elastomeric fabrics	800
19	Stretch & Recovery of Elastic stripes	800
20	Heat Ageing Of Elastic tapes (upto 100 hrs)	
	• Tensile strength	2500
	• Water repellence	2000
	• Appearance	2500
	• Additional for 10 hrs and fraction there after	150
21	Ageing due to washing (per wash)	350
22	Bursting strength	500
23	Stiffness test	400
24	Type of weave up to 12 ends picks/ repeat/ knitting	400
25	Abrasion resistance (Flex / Flat / Edge)	500
26	Abrasion resistance (Martindale)	
	✓ Upto 5000 rubs	500
	✓ Each additional 5000 rubs or fraction thereof- extra	400
27	Nature of yarn	
	• Staple / Spun / Filament and composition thereof	400



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	• Texturized / Non-texturized and composition thereof	500
	• High tenacity	600
28	Composition (Count wise / Denier wise)	400
29	Melting point	400
30	Moisture content	250
31	Percentage crimp (Warp and Weft)	350
32	Fabric defect analysis / bleached / dyed / printed + applicable charges	2000
33	Whiteness index – Instrumental	350
34	No. of filament in yarn	350
35	Paper	
	✓ Cobb value	350
	✓ Opacity	500
	✓ Brightness	250
	✓ Breaking length	550
	✓ Tear index	300
36	Drape test	400
37	Terry ratio (Pile ratio)	350
38	Skewness after home laundering (spirality) in Knitted fabric	
	✓ For single wash	350
	✓ For each additional wash	200
39	Bow and Skew in woven fabric	350
40	Colour Measurement	
	✓ Colour difference	300
	✓ Comparison of strength of dye	650
	✓ Reflectance readings for calibration samples upto 8 level with spectral curve	650



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	✓ Comparison of strength of dyestuff on the basis of assessment on the dyed fabric	800
	✓ Whiteness / Yellowness evaluation comparison between them	300
	✓ Reflectance curve	300
	✓ Visual assessment of colour difference	300
41	Heat Shrinkage	800
42	Shrinkage in boiling water	650
43	Nylon button strength	500
44	Nature of fabric	
	• Woven / Knitted	200
	• Dyed / Bleached / Yarns of different colour / Printed	250
	• Piled / Flocked	200
	• Coated / Laminated / Impregnated	250
	• Upholstery	200
	• Lining / Interlining	200
	• Reinforce material	200
	• Warp / Weft knitted	200
	• Embroidery visible to naked eye	200
	• Tufted / Non-tufted	200
	• Cut pile / Loop pile / Other	200



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2. CHEMICAL PARAMETERS		
FABRIC		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Identification of fibre	350
2	Quantitative analysis inclusive of identification:	
	✓ Two component	550
	✓ Extra for each component	250
3	Scouring loss (%)	600
4	Residual starch on bleached fabric	550
5	pH determination	300
6	Non-fibrous matter (%)	
	✓ Oil, fats and waxes	550
	✓ Water soluble matter (Cold water / Hot water)	500
7	Estimation of	
	✓ Ash	600
	✓ Total size	600
	✓ Finish	600
	✓ Fatty matter	600
	✓ Starch	550
	✓ Alkali content	550
	✓ Alkali solubility	550
✓ Acid content	550	
8	Acid value / Free acidity of water	550
9	Chloride content	500
10	Copper or Zinc content in rot proofed materials	600
11	Test for mercerisation (Barium activity number)	600
12	Identification of dyes (per class)	550
13	Wool fibre content of raw wool	550



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14	Absorbency	
	Iodine absorption test	
	✓ of cotton fabrics	500
	✓ of terry towel	500
15	<i>Dimensional changes of woven or knitted fabrics</i>	
	✓ To washing	
	◆ one wash	300
	◆ per additional wash	200
	✓ To relaxation	300
	✓ Industrial fabric at 95 deg.	600
	✓ Print durability after domestic laundering	
	◆ one wash	300
◆ per additional wash	200	
16	Wettability	250
17	Residual chlorine in cotton fabrics	500
18	Flammability test:	
	✓ Inclined plane	1000
	✓ Vertical plane	1000
	✓ Limiting oxygen index	1300
	✓ Upholstery & bedding items	
	• Smouldering Cigarette)	1000
	• Small open flame	1000
	• Wooden cribs	2500
• Carpet	5000	
19	UV & water vapour (per hour)# @35 Rs	6720
20	Smoothness appearance	300
21	Colour fastness to:	
	✓ Washing : With / Without multifibre staining fabric	



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• Test I	250
• Test II	250
• Test III	250
• Test IV	400
• Test V	1000
✓ Light	
<i>By ISO / IS method</i>	
◆ upto 3 BWS	550
◆ Above 3 to 4 BWS	1000
◆ above 4 to 5 BWS	1500
◆ above 5 to 6 BWS	3000
◆ above 6 BWS	4000
<i>By AATCC Method</i>	
◆ 10 AFU	550
◆ 20 AFU	1000
◆ 40 AFU	1500
◆ 80 AFU	3000
◆ additional 10 AFU & fraction thereof	500
✓ Bleaching	500
✓ Hot pressing (Dry/Wet/Damp)	500
✓ Rubbing (Dry / Wet)	250
✓ Organic solvent	400
✓ Dry cleaning	550
✓ Perspiration (Acid & Alkaline)	500
✓ Water	
◆ By BS, ISO, IS method	300
◆ By AATCC method	500
✓ Ozone	1500



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	✓ Saliva	500
	✓ Swimming pool water	500
	✓ Sea water	500
	✓ Sublimation	500
	✓ Mercerisation	500
22	Purity of salt – lime	250
23	Soda Ash	250
24	Purity of acid alkali	250
25	Rust proof	500
26	Wicking	500
27	Cotton waste – white	3500
28	Cotton waste – grey	2500
29	Wash care (includes CF to wash at 40°C, CF to dry cleaning, Shrinkage to wash, CF to hot press)	1600
30	Soil release – oily stain release	500
31	Wetting oil efficiency	500
32	Dye ability of grey fab	1600
3. ECO PARAMETERS		
FABRIC		
S.No	TEST PARAMETER	*Test charges(Rs.)
1	Banned amines (Azo free)	3500
2	Pesticides	5000
3	Penta chloro phenol (PCP)	2500
4	Ortho Phenyl Phenol (OPP)	2500
5	PCP & OPP together	3500
6	Formaldehyde	1000



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7	Traces of heavy metals by extraction/digestion (per metal)	
	Ag, Cu, Cd, Co, Ni, Pb, Sb, Fe, Cr, Zn,	550
	As, Hg.	900
8	Nickel release	500
9	Nickel release per week / Microgram/Cm ²	800
10	Presence of PVC – Bieltein's test	400
11	BOD of waste water / Effluent	400
12	Pthalates-FTIR	1000
13	COD of waste water / Effluent	400
14	TOC of waste water / Effluent	650
15	Conductivity of water	300
16	Water Hardness	550
17	Water testing	
	PH	300
	Conductivity	300
	Oxidisable matter	400
	Residue on evaporation at 110 deg	400
	Dissolved Oxygen	400
18	Total Suspended Solids	400
19	Total dissolved solid	300
20	Total sulphate	550
21	Oil & Grease	400
22	Separation and identification of chemicals	3200
23	Detection & estimation of effluent parameters like Phenol, Nitrite, Sulphides, Sulphite, Hardness, Alkalinity, Oil & grease etc. (per parameter)	550
24	Identification and quantification of coatings / finishes	
	Using FT-IR	1500



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25	Water Analysis	
	✓ Colour	150
	✓ Turbidity	300
	✓ Total hardness	550
	✓ Chloride	500
	✓ Sulphate	500
	✓ Phosphate	500
	✓ Nitrate	500
	✓ Nitrite	500
	✓ Ammonical nitrogen	500
	✓ Total nitrogen	500
	✓ Chlorine	500
	✓ Silica	500
	✓ Iron	500
	✓ Manganese	500

* Conditions and testing service charges are Subject to Change without prior notice.