

Uttar Pradesh Textile Technology Institute, Kanpur

Testing & Consultancy Charges

(w.e.f from Oct, 2021)

- **Expend Visiting Charges 5000/- Per day**
- **Urgent basis Charges will be double the normal rates**
- **18% GST will be charged on the testing fee**

Recommended (Min.) size of sample for testing

- Fibre - 250 Gms.
- Yarn - 15 cone containing single/double hank.
- Fabric - 01 mtr. with full width of sample or sample or more depending on test parameter.
- Made-up/Readymade garments – one full piece
- Effluents/Chemicals – 02 Ltr
- Dyes/Pigments – 10 gms.

» **Note :- Service tax will be deposited according to Govt. rules additionally.**

A. Schedule Physical Testing Charges

1. FIBRE TEST (Fibre Tech. Lab)

Sl.No.	Test Characteristic	Charges (Rs.)	
		Academic (Rs.)	Industry (Rs.)
01.	Fineness	400/-	600/-
02.	Moisture Regain	300/-	500/-
03.	Fibre bundle Strength/Elongation	700/-	1000/-
04.	Single Fibre Strength/Elongation	700/-	1000/-
05.	Fibre Staple Length/Short Fibre %	300/-	500/-
06.	Micronaire Value	400/-	600/-
07.	Fibre Maturity	400/-	600/-
08.	Trash Content %	400/-	500/-
09.	Fibre Diameter (Micron Value)	300/-	500/-
10.	No. of Fibre/Cross-section	300/-	500/-
11.	Identification of Fibres	300/-	500/-
12.	Blend Analysis- a. Binary b. Ternary	600/- 1000/-	800/- 1200/-
13.	Identification of PP/PVC/PU/Nylon 6/Nylon 66 etc.	1500/-	2000/-

2. YARN TEST (Textile Testing Lab)

Sl.No.	Test Characteristic	Charges (Rs.)	
		Academic (Rs.)	Industry (Rs.)
01.	Linear Density/Moisture Regain	300/-	500/-
02.	Lea Strength	300/-	500/-
03.	Single Thread Strength/Elongation	400/-	600/-
04.	Yarn Twist (Single/Plied/Compound)	300/-	500/-
05.	Resistance in Kms. (RKM)	400/-	600/-
06.	Evenness (Sliver/Roving/Yarn)	300/-	500/-
07.	Evenness (Sliver/Roving/Yarn) By Uster	1000/-	800/-
08.	Nature of Yarn (Staple/Spun/Filament)	300/-	500/-
09.	Classmatte Fault Test	600/-	800/-
10.	Yarn CV % / No. of fibre / cross-section	400/-	600/-

3. FABRIC TEST (Textile Testing Lab)

Sl.No.	Test Characteristic	Charges (Rs.)	
		Academic (Rs.)	Industry (Rs.)
01.	Measurements/Area/Weight	300/-	500/-
02.	Weight per Unit Area – GSM	300/-	500/-
03.	Fabric Thickness/Cover Factor	300/-	500/-
04.	Count/Denier (Warp/Weft)	300/-	500/-
05.	Crimp Test (Warp / Weft)	300/-	500/-
06.	Individual Twist (Warp / Weft)	300/-	500/-
07.	Crease Recovery	300/-	500/-
08.	Stiffness Test / Drape	300/-	500/-
09.	Abrasion Resistance Test	400/-	600/-
10.	Tensile Strength	400/-	600/-
11.	Bursting/Tearing Strength Test	400/-	600/-
12.	Fabric Nature (Knitted/Woven/Feltd)	300/-	500/-
13.	Strength of Warp/Weft individual	400/-	600/-
14.	Read count (EPI & PPI)	400/-	600/-
15.	% of Warp and Weft by weighing	400/-	600/-
16.	Air Permeability Test	500/-	700/-
17.	Pilling Test	400/-	600/-
18.	Weave Analysis (Simple/Complex)	400/-	600/-

4. DYES & COLOUR TESTING (Textile Chem. Lab)

Sl.No.	Test Characteristic	Charges (Rs.)	
		Academic (Rs.)	Industry (Rs.)
01.	Identification of Dyes	1300/-	1800/-
02.	Water Permeability Test	500/-	800/-
03.	Water Spray Test	500/-	800/-
04.	LOI Test	500/-	800/-
05.	Flammability	500/-	800/-
06.	Strength of Dyeing Additive	400/-	700/-
07.	Fastness to – a. Light	500/-	800/-
	b. Washing	800/-	1000/-
	c. Colour	800/-	1000/-
	d. Perspiration	800/-	1000/-
	e. Hot pressing	800/-	1000/-
	f. Bleaching	800/-	1000/-
	g. Rubbing (dry & wet)	800/-	1000/-

5. OTHER TESTINGS

Sl.No.	Equipment	Make/Model	Test parameter	Testing charge/Sample in Rs. (18% GST Extra)	
				Education and Govt. Institute	Industry
01.	Contact Angle Tester	PRiMA PLUSi Model DMs-401	Contact Angle Measurement (Wetability)	800/-	1500/-
			Surface Energy Calculation	1000/-	2000/-
02.	X-Ray Diffraction	Proto XRD, Model-AX RD – B; Michigan, USA	Diffraction Pattern and `d` Values	800/-	1000/-
			Phase Analysis	800/-	1000/-
03.	Hydrostatic Head Tester	SDL Atlas; M018	To study the water resistance of the textile materials	2000/-	3000/-
04.	Scanning Electron Microscope	Jeol; JCM-7000	To characterize surface morphology	800/-	1500/-
05.	MP. AES (Micro plasma Atomic Emissions Spectrometer)	Agilent 4200	For detection of heavy metals in wastewater	1500/-	2500/-

06.	Capillary Flow Porometer	PMI India	For measurement of pore size and its distribution of textile media	300/-	500/-
07.	Thermal Image Analyser	Testo	Temperature profile of a hot surface.	300/-	500/-
08.	FTIR Spectrometer (For solid samples only)	Bruker; Alpha	Identification of functional groups and	400/-	500/-
09.	UV-VIS Spectrophotometer Liq. & Solid Transparent solid film	Lamda (200-1100nm)	Concentration Impiety Conjugation bonds	300/-	5500/-
10.	Different Scanning Calorimetric (DSC)	Perking Elmer	Thermal characterization measurement of Tg, Tc, Tm.	800/-	1200/-
11.	Theromo-gravimetric Analyser (TGA)	Perking Elmer	Thermal degradation behavior of material	800/-	1200/-
12.	Optical Microscope	Nikon	Fibre, yarn diameter, surface morphology	300/-	500/-
13.	Weather –O- meter (min. 04 samples required at a time)		Light fastness	1200/-	1500/-
14.	Moisture Management system	SDL	Moisture management behavior of textiles	600/-	800/-
15.	UPF Analyser		Ultra-Violet Protection Factor	300/-	500/-
16.	Computer colour matching		Digital evaluation of colour/whiteness etc.	300/-	500/-
17.	Gloss Meter		Luster	300/-	500/-