

Item Sr. No	Test	Test Fee per sample (Rs)	Minimum Sample Size	Remarks
15	Special Tests			
177	ICP-MS			
	Aqueous sample not requiring any preparation	2000 (up to 23 elements)*	25ml	* Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cu, Cr, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Ti, Zn 400 per extra element Mo, Ti, Hg, Se, Sb, I, As, Pt)
	Sample requiring microwave digestion	3500 (up to 23 elements)*	1 g	
178	Raman spectroscopy for solid and liquid samples using 1065 nm laser	1500	5 gm/ml	
179	TGA scan from 30°C to 950 °C @ heating rate of 20°C /min	4000	1 g	
180	TOC Analysis for liquid samples (T C/ NPOC Method)			
	ppm level	1000	100 ml	
	ppb level	1200	100 ml	
181	TOC Analysis for Solid Sample (TC and IC method)ppm level	1200	5 g	
182	Total Nitrogen Analysis for Liquid samples using TOC Analyser	1500	100 ml	
183	COD analysis using thermal reactor	800	100 ml	
184	FTIR KBr /Diamond ATR	1800		
185	UV absorbance/transmission scan	400	100 ml/ 5g	
186	Analysis of Sodium/ Potassium content of water by Flame Photometer (per element)	300	500 ml	Rs. 500/- extra for digestion if required
187	Elemental Analysis by AAS (per element)	450	100 ml/ 5g	Rs 500 extra for digestion
188	Scanning Electron Microscope			
	Surface morphology	2500	1 g	Maximum 4 micrographs
	Cross section	3000		
189	AFM Imaging	5000		
190	Light micrograph / Photomicrograph	1000		Rs 500 extra for Sample Preparation/Staining
	(10x, 40x and 100x magnifications)			
191	Particle Size Characterization			
	a) Nano Particle Size Analysis by DLS (0.6 nm to 6 micron)	2000	10 ml for aqueous suspension	Sample in stable suspension only
	b) Nano Particle Size Analysis by DLS (0.6 nm to 6 micron) and Zeta potential	3000		
	c) Particle Size Analysis by Micron size analyser -LASER Diffraction method (20 nm to 2000 microns)	1500	10g for powder	powder sample should be free flowing and free from aggregates.

	d) Particle Size Analysis by Micron size analyser -LASER Diffraction method (20 nm to 2000 microns) and dynamic image analysis	2000	10 ml for aqueous suspension	suspension sample should be in aqueous and free from aggregates. Refractive index of the particles need to be provided
192	Electrical Resistance of Textile Materials, Thin films etc. by Electrometer (6517A)	2000	0.5 m	
193	Surface Tension by pendant drop method using goniometer	2000		
194	Contact angle by goniometer	2000		
195	Surface energy of the material			
	a) one Liquid method	2000		
	b) two Liquid method	3000		
196	Friction coefficient (Yarn/fibre/ fabric to Yarn/fibre/fabric , Yarn/fibre/ fabric to metal)	2000	1 m	
197	Weathering/xenon arc exposure Test as per ASTM/ISO /SEA J Method			