

Test Parameters
Tests Carried Out By Laboratories of Textiles Committee

3. ECO parameters						
SR. NO.	TEST PARAMETER	INSTRUMENT	TEST METHOD	SAMPLE SIZE (Min)	* TEST CHARGES (Rs)	Dwell TIME #
1.	Banned amines (Azo free)	GC-MS	As per German Regulations	1 mtr X full width or	3500.0	1-2 day
		HPTLC		1 full piece of garment		
		HPLC		or		
				10 grams (Dyes / Pigments)		
2	Pesticides	HPLC	Textiles Committee Method	250 grams	5000.0	2-3 days
3	Penta chloro phenol (PCP)	HPLC	Textiles Committee Method	1 mtr X full width	2500.0	2-3 days
4	Formaldehyde	UV-VIS	BS 6806 (Part-1) for total formaldehyde	1 mtr X full width or	1000.0	1-2 days
			Japanese law 112-1973(260) for free Formaldehyde	1 full piece of garment		
			BS 6806 (Part-2) for released formaldehyde	or		
			BS 6806 (Part-3) for released formaldehyde	10 grams (Dyes / Pigments)		
			AATCC 112 for released formaldehyde			
5	Traces of heavy metals (per metal)	AAS	IS 1039 & 3025	1 mtr X full width or	550.0	1-2 days
	Ag, Cu, Cd, Co, Ni, Pb, Sb, Fe, Cr, Zn,	Spectroquant (Photometer)	AAS Method	1 full piece of garment		

	As, Hg.			or 10 grams (Dyes / Pigments)	550.0	1-2 days
6	Nickel Release		Visual Testing	10 grams	500.0	1-2 days
7	BOD	BOD Monitor	IS 2488 & 3025 / Textiles Committee Method	2 litres.	400.0	3-4 days
8	COD	COD Monitor	IS 2488 & 3025 / Textiles Committee Method	2 litres.	400.0	1-2 days
9	Separation and identification of chemicals	HPTLC	Textiles Committee Method	10 grams (Dyes / Pigments)	3200.0	1-2 days
10	Detection & estimation of effluent parameters			2 litres.		
	Water testing	UV-VIS, Spectroquant or Classical method	IS 3025 / APHA method / Textiles Committee Method			
	pH				300.0	1 day
	Conductivity				300.0	
	Oxidisable matter				400.0	1-2 days
	Residue on evaporation at 110 deg.				400.0	1 day
	Dissolved Oxygen				400.0	
	Water Analysis					
	· Colour				150.0	1 day
	· Turbidity				300.0	
	· Total hardness				550.0	
	· Chloride				500.0	
	· Sulphate				500.0	
	· Phosphate				500.0	
· Nitrate	500.0					
· Nitrite	500.0					

· Ammonical nitrogen				500.0	
· Total nitrogen				500.0	
· Chlorine				500.0	
· Silica				500.0	
· Iron				500.0	
· Manganese				500.0	

* (Plus Service Tax as applicable) Conditions and testing service charges are Subject to Change without prior notice.

Working day only

Note: Test duration may vary with number of samples/ parameters/technical complexities etc