

**THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION**

**TEXTILE CHEMISTRY DIVISION**

**SCHEDULE OF TESTING CHARGES WITH EFFECT FROM 01.06.2016**

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
1	Absorbency	200	250
2	Acetic Acid as CH <sub>3</sub> COOH	400	500
3	Acidic Treatment	600	750
4	Acidity	220	250
5	Active Matter Content	800	1000
6	Alcohol extractable matter	600	750
7	Alkaline Treatment	600	750
8	Alkalinity as NaOH	250	300
9	Aluminium	250	300
10	Ammoniacal Nitrogen as N	250	300
11	Ammonium as NH <sub>4</sub>	250	300
12	Ammonium chloride as NH <sub>4</sub> Cl	330	400
13	Ammonium N <sub>2</sub>	250	300
14	Antimony	600	700
15	Appearance	150	200
16	Arsenic	600	700
17	Ash Content	275	350
18	Available Chlorine as Cl <sub>2</sub>	330	400
19	Available Silica as SiO <sub>2</sub>	250	300
20	Barium	400	450
21	Barium Activity Number	550	650
22	Bicarbonate	250	300
23	Bicarbonate Alkalinity	220	250
24	Bleaching (Lab)	350	450
25	Bleaching Shrinkage	450	550
26	Blend Analysis (A/C)	450	500
27	Blend Analysis (Binary)	400	475
28	Blend Analysis (C/V)	500	625
29	Blend Analysis (Cotton/Modal)	600	700
30	Blend Analysis (Cotton/Silk)	550	650
31	Blend Analysis (P/C)	400	475
32	Blend Analysis (P/C/V)	900	1000
33	Blend Analysis (P/V)	400	475
34	Blend Analysis (Polyester / Flax)	400	450
35	Blend Analysis (Ternary)	900	1000
36	Blend Lycra	450	550
37	BOD 3 days	550	650

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
38	BOD 5 days	700	800
39	Boiler Feed Waters	1900	2200
40	Boiling Shrinkage	400	500
41	Boron as B	600	700
42	Brightness	330	400
43	Bulk Density	400	500
44	Bulk Density at Room Temperature	400	500
45	C F To Accelerated laundering AATCC61-2A	400	500
46	C M C Analysis	2800	3000
47	Cadmium	350	425
48	Calcium	220	250
49	Calcium carbonate	300	350
50	Calcium Chloride	350	450
51	Calcium Hardness	220	250
52	Calcium Hardness as Ca	220	250
53	Calcium oxide	220	250
54	Calcium sulphate	220	250
55	Carbon Nitrogen Ratio (Package)	900	1000
56	Carbonate	220	250
57	Carbonate Alkalinity	220	250
58	Carbonate Hardness as CaCO <sub>3</sub>	220	250
59	Carbondioxide	250	300
60	Carbonization	450	550
61	Cellulose Content	750	850
62	Chemical Analysis	900	1000
63	Chemical Oxygen Demand (COD)	450	550
64	Chlorides	220	275
65	Chlorite	250	300
66	Chloroform Extractable Matters	700	800
67	Chromium	350	425
68	Chromium 3	350	425
69	Chromium VI	350	425
70	Cleavable Arylamines	2750	2750
71	CMC Analysis	2400	2800
72	CMC, Active Matter Content	500	625
73	CMC, Colour & Appearance	200	250
74	CMC, Degree of Substitution	350	450
75	CMC, Matter Insoluble in 6%	300	350
76	CMC, Moistre Content	250	300
77	CMC, Presence of Flourescence	150	200
78	CMC, Presence of Starch	220	250
79	CMC, Viscosity of 2%	325	400
80	CMC, Water Insoluble matters	250	300
81	Cobalt	350	425
82	Colour	150	200
83	Colour Fastness to Chlorinated Water	250	300
84	Colour Fastness to Dry Cleaning	350	450

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
85	Colour Fastness to Dry Heat	330	400
86	Colour Fastness to Dye Transfer in Storage AATCC 163-2002	330	400
87	Colour Fastness to Hot Pressing	400	500
88	Colour Fastness to Hot Water	250	300
89	Colour Fastness to Laundering	250	300
90	Colour Fastness to Light	1000	1250
91	Colour Fastness to Mercerisation	400	500
92	Colour Fastness to Organic Solvent	400	500
93	Colour Fastness to Peroxide Bleaching	250	300
94	Colour Fastness to Perspiration	375	450
95	Colour Fastness to Rubbing	250	300
96	Colour Fastness to Saliva	400	500
97	Colour Fastness to Saliva & Perspiration	400	500
98	Colour Fastness to Sea Water	250	300
99	Colour Fastness to Sodium hypochlorite	250	300
100	Colour Fastness to Sublimation	250	300
101	Colour Fastness to Sunlight	400	500
102	Colour Fastness to Swimming Pool Water	250	300
103	Colour Fastness to Washing	250	300
104	Colour Fastness to Washing : Test 4	400	500
105	Colour Fastness to Washing : Test 5	650	750
106	Colour Fastness to Water	250	300
107	Conductivity	150	200
108	Construction Water Tests	1750	2000
109	Contamination Analysis	1250	1500
110	Copper	350	425
111	Curing	300	375
112	Definishing	250	300
113	Degumming	250	300
114	Delta E	330	400
115	Density at Room Temperature	400	500
116	Desizing	375	450
117	Desizing (Soft Overflow)	1500	1750
118	Detergent Efficiency	1350	1500
119	Differential Scanning Calorimeter	1350	1500
120	Digestion	500	600
121	Dimensional Stability, %	375	440
122	Dischargability of Dyes	600	750
123	Dissolved Oxygen (DO)	150	200
124	DP Rating	550	700
125	Drinking Water Tests	2200	2750
126	Dry Heat Shrinkage	375	440
127	Dry Heat Shrinkage 105 +/- 2 oC	375	440
128	Drying Rate, %	300	400
129	Dye Stuff Identification	625	750
130	Dyeing (Lab)	450	550

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
131	Dyeing - Soft Flow M/c	2750	3300
132	Dyeing (Binary - Lab)	650	800
133	Dyeing (Binary - Winch)	1200	1500
134	Dyeing (Winch)	1000	1250
135	Dyeing Binary (Soft flow)	3300	4400
136	Dyeing Fibre (Lab)	500	625
137	Dyeing Loss	550	650
138	Dyeing Shrinkage	550	650
139	Emulsification Properties	250	300
140	Ether Solubles	600	750
141	Evaporation Loss, %	275	350
142	Ferric chloride	275	330
143	Ferrous sulphate	275	330
144	Fibre Chemical Composition Testing	2200	2500
145	Fibre Identification	250	300
146	Fibre Identification-Fabric	550	625
147	Film Preparation	450	550
148	Flammability	650	750
149	Fluorides	325	375
150	Foam Height	250	300
151	Free Carbondioxide	220	250
152	Free Chlorine	250	300
153	Free Formaldehyde	625	750
154	Fused Fibres	650	750
155	Heat Treatment	400	500
156	Heavy Metals - GOTS	7000	7000
157	Heavy Metals - Oeko Tex	6500	6500
158	Hexane Extraction	450	550
159	Honey Dew Content	275	350
160	Hot Air Shrinkage	375	450
161	Hot Air Shrinkage (Fabric)	375	450
162	Hydrochloric Acid as HCl	400	500
163	Hydroxide Alkalinity	220	250
164	Image Analysis (Cross Section)	600	700
165	Image Analysis (Longitudinal)	450	550
166	Inorganic Salt	275	330
167	Insolubles	220	275
168	Iodine Value	275	330
169	Ionic Nature	220	275
170	Iron	250	300
171	Iron Content	450	500
172	Kjeldahl Nitrogen	500	625
173	Laboratory Grade Water ISO 3696	1000	1250
174	Lead	600	700
175	Lignin Content	750	850
176	Loss on drying, %	220	275
177	Loss on ignition, %	250	300
178	Lubrication Content	650	750

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
179	Lycra Dissolution	600	750
180	Magnesium	220	250
181	Magnesium Carbonate	220	250
182	Magnesium Chloride	330	400
183	Magnesium Hardness	220	250
184	Manganese	250	300
185	MEK Extraction	900	1000
186	Mercury	600	700
187	Methyl Orange Alkalinity	200	250
188	Microscope Analysis	400	500
189	MLSS	375	450
190	MLVSS	450	550
191	Moisture Content	250	300
192	Moisture Regain, %	250	300
193	Nickel	350	425
194	Nitrate	325	375
195	Nitrite	250	300
196	Nitrogen	220	250
197	Non Carbonate Hardness	220	250
198	OBA	200	250
199	Odour	150	200
200	Oil Analysis	2250	2500
201	Oil and Grease	550	650
202	Oil and Wax Analysis, Moisture Content	250	300
203	Oil and Wax, Acid Value	220	275
204	Oil and Wax, Ash Content	275	350
205	Oil and Wax, Colour and Appearance	200	250
206	Oil and Wax, Density	400	500
207	Oil and Wax, Density at 30oC	400	500
208	Oil and Wax, Flash Point	350	425
209	Oil and Wax, Hexane Insoluble mattes	375	400
210	Oil and Wax, Kinematic Viscosity at 100oC	325	400
211	Oil and Wax, Kinematic Viscosity at 40oC	325	400
212	Oil and Wax, Kinematic Viscosity, 50oC	325	400
213	Oil and Wax, Kinematic Viscosity, 65oC	325	400
214	Oil and Wax, Melting Point	325	400
215	Oil and Wax, Needle Penetration	275	350
216	Oil and Wax, Saponification Value	300	400
217	Oil and Wax, Specific Gravity at 30oC	250	350
218	Oil and Wax, Sulphated ash content	450	500
219	Oil and Wax, Toluene Insoluble Matters	350	425
220	Oil and Wax, Total Acid Numbre (TAN)	350	425
221	Oil and Wax, Total Base Numbre (TBN)	350	425
222	Oil and Wax, Total Fatty Matters	350	425
223	Oil and Wax, Unsaponifiable matters	350	425
224	Oil and Wax, Viscosity Group	325	400

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
225	Oil and Wax, Viscosity Index	150	200
226	Oil and Wax, Volatile Matters	350	400
227	Oil and Wax, Water Insoluble matters	220	275
228	Oil Content	600	750
229	Oil Pick Up, before and after	1300	1500
230	Oil Repellency	400	500
231	Oligomers (Extractable)	625	750
232	Organic Mattters, %	275	330
233	Oxidisable Matter	200	250
234	Oxidising / Reducing Agent	400	500
235	P V C Content (In House Method)	1000	1200
236	Padding	400	500
237	PCB Norms Testing	3150	3675
238	Permanent Hardness	220	250
239	Permanganate Value	250	300
240	Petroleum ether extractable matter	600	750
241	pH of Aqueous Extract	200	250
242	pH of water	125	150
243	Phenolic Yellowing	1250	1375
244	Phenolphthalein Alkalinity	220	250
245	Phenols	400	450
246	Phosphate	250	300
247	Phosphorus	220	250
248	Polyester Dissolution	600	750
249	Potassium	220	250
250	Potassium chloride	400	500
251	Potassium sulphate	400	500
252	Presence of Fluorescence	200	250
253	Presence of Iron	200	250
254	Presence of PVA	350	425
255	Presence of Starch	200	250
256	Print Durability	750	850
257	Purity %	400	500
258	Purity Analysis	400	500
259	Purity of Caustic Lye	400	500
260	PVA %	625	750
261	PVA, Ash Content	275	350
262	PVA, Degree of Hydrolysis	400	400
263	PVA, Methanol extractable	350	400
264	PVA, pH	200	250
265	PVA, Pure component	400	500
266	PVA, Sodium Acetate	400	500
267	PVA, Viscosity	325	400
268	PVA, Volatile Matters	350	400
269	Relaxation Shrinkage	300	375
270	Releasable Formaldehyde	750	850
271	Residual Alkalinity	330	400

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
272	Residual Chlorine	275	330
273	Residual Peroxide	275	330
274	Residual Starch Content	400	500
275	Residue on Ignition	275	330
276	Scourability	500	625
277	Scouring & Bleaching (Soft Flow)	2200	2750
278	Scouring & Bleaching Loss (Lab)	450	550
279	Scouring (Lab)	360	440
280	Scouring (Soft Flow)	1500	1750
281	Scouring and Bleaching (Lab)	360	440
282	Scouring and Bleaching (Winch)	650	800
283	Scouring Loss(Lab)	400	500
284	Scouring, Bleaching & Dyeing (Lab)	600	750
285	Scouring, Bleaching & Dyeing (Winch)	1375	1650
286	Scouring, Bleaching, Dyeing (Soft Flow)	3300	4125
287	Scouring,Bleaching,Dyeing Binary(Winch)	1100	1375
288	Selenium as Se	600	700
289	Silica	330	375
290	Silicon Content %	500	625
291	Silver	600	700
292	Sinking Time	250	300
293	Size Content	375	450
294	Size Pick Up	750	900
295	Skin Irritant Test	2000	2250
296	Smoothness Apperance	550	700
297	Sodium	325	400
298	Sodium %	440	550
299	Sodium Adsorption Ratio	500	600
300	Sodium Bi Carbonate	400	500
301	Sodium Carbonate	350	450
302	Sodium Carbonate as Na <sub>2</sub> CO <sub>3</sub>	400	500
303	Sodium Chloride	350	450
304	Sodium hydroxide	400	500
305	Sodium Hydroxide as NaOH	400	500
306	Sodium meta bicarbonate	400	500
307	Sodium meta bisulphite	400	500
308	Sodium Nitrate	400	500
309	Sodium Sulphate	450	550
310	Soil Release AATCC TM 130	550	550
311	Solid Content	250	300
312	Solubility in water	220	275
313	Solvent Extraction	440	550
314	Soxhlet Extraction	600	750
315	Specific Gravity	400	500
316	Spin Finish	600	750
317	Stain Resistant AATCC TM 175	550	700
318	Starch, Ash Content	275	350

S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
319	Starch, Cold Water Insol	250	300
320	Starch, Cold Water Solubles	250	300
321	Starch, Dextrin Content	330	440
322	Starch, Free Acidity	200	250
323	Starch, Moisture Content	275	350
324	Starch, Petroleum Hydrocarbon	300	375
325	Starch, pH of 10%	200	250
326	Starch, Reducing Sugars	400	500
327	Starch, Starch Content	400	500
328	Starch, Viscosity 4%	325	400
329	Starch, Viscosity of 2%	350	425
330	Starch, Viscosity of 3%	325	400
331	Stripping	400	500
332	Stripping and Redyeing	650	800
333	Stripping, Mercerising and Redyeing	800	1000
334	Sugar Content	400	500
335	Sulphated Ash	350	400
336	Sulphates	325	375
337	Sulphides	250	300
338	Sulphites	250	300
339	Sulphur as S, %	330	440
340	Sulphuric acid as H <sub>2</sub> SO <sub>4</sub>	400	500
341	Surfactants	250	325
342	Surgical Cotton Testing	3850	4400
343	Surgical Cotton Testing -10	5000	5500
344	Taste	150	200
345	Tegewa Rating	375	450
346	Temperature	150	200
347	Temperature Withstanding	1100	1250
348	Temporary Hardness	220	250
349	Textile Processing Water Tests	1850	2100
350	Texturized or not	350	400
351	Tin	600	700
352	Titanium	550	650
353	Total Alkalinity	220	250
354	Total Chlorine	250	300
355	Total Chromium	350	425
356	Total Dissolved Solids (Evaporation)	250	300
357	Total Hardness	200	250
358	Total Inorganic Dissolved Solids	440	550
359	Total Lead	1100	1200
360	Total Nitrogen (Nitrate + Nitrite + Kjeldahl Nitrogen +	850	1000
361	Total Nitrogen (Package)	300	375
362	Total Organic Carbon (TOC)	450	500
363	Total Salts, mg/l	250	300
364	Total Settleable Solids	275	330
365	Total Solids	200	250



S. No.	Test Name	Revised charges / Sample (Rs.)#	
		Mem	Non
366	Total Suspended Solids (TSS)	275	325
367	Total Volatile Solids	350	400
368	Treatment	550	700
369	Trials	1000	1000
370	Turbidity	150	200
371	UV Lamp Observation	200	250
372	UV Vis	425	500
373	Vertical Flammability (ASTM D 6413)	650	750
374	Viscosity, cPs	400	500
375	Viscosity, sec	325	400
376	Visual Observation - Colour	250	300
377	Visual Observation - Printed	250	300
378	Volatile Matter	350	400
379	Volatile Suspended Solids	350	400
380	Washability	500	625
381	Washability & Scourability	1000	1250
382	Washing	250	300
383	Washing AATCC61-2A (1 = 5 washes)	375	425
384	Washing Shrinkage	375	450
385	Water Holding Capacity	250	300
386	Water Potability	550	675
387	Water Proof - Cone Test	400	500
388	Water Repellency	400	500
389	Water Solubles	250	300
390	Wax Content	600	750
391	Wax Pick Up	1300	1500
392	Wax Roll Testing	1150	1350
393	Weight Loss after Processing	500	600
394	Wettability (Draves)	330	400
395	Wettability Test	330	400
396	Whiteness Index	330	400
397	Wicking Test	400	500
398	Yellowness Index	330	350
399	Zinc	350	425

# 1) For students and research scholars member mill rates shall be considered.

2) In the case of submission of 10 samples or more at a time for the same set of parameters, a discount of 10% on the overall testing charges shall be considered.

**3) Service charges extra as applicable**

4) Non-members / students / research scholars shall pay the testing charges in advance at the time of submission of samples as DD / At par cheque in favour of SITRA payable at Coimbatore.

5) In the case of postage / courier of samples of 2 Kg. and above, courier charges of Rs. 250/- shall be levied extra.