

**CENTRAL SILK TECHNOLOGICAL RESEARCH INSTITUTE,
CENTRAL SILK BOARD, BANGALORE.**

Statement of Approved testing charges for the commercial samples at TTL, CSTRI, Bengaluru.

w.e.f. 15.11.2019

A. MECHANICAL TESTS:

Sl. No.	TEST PARAMETER	TEST METHOD	Amount (Rs)
I.	FIBRE TEST		
1	Fineness test	ASTM D 2130	500
2	Moisture test	IS 199 / IS 15090	350
3	Fibre bundle strength	IS 3675	500
4	Single fibre strength test	IS 235 / ASTM D 3822- 01	1000
5	Fibre length	ASTM D 5103	600
6	Microscopic tests (both PT/CT sections)	IS 667 / In-house	400
7	Wool grade		500
II	RAW SILK TEST		
1	Winding breaks	ISA Chapter II-Article-3 In house test method / IS 15090:2008	400 60
2	Size test	ISA - Chapter II - Article 4, 5 & 6 In house test method / IS 15090:2008	400 110
3	seriplane tests (Evenness, Neatness & Cleanness)	In house test method / IS 15090:2008 ISA-Chapter II – Article 7,8 & 9	60 400
4	Tenacity & Elongation	In house test method / IS 15090:2008 ISA-Chapter II –Article 10	110 400
5	Cohesion	In house test method / IS 15090:2008 ISA-Chapter II-Article 11	60 400
6	All testing & grading	IS 15090 Part-1 to XI:2008 ISA Chapter-II	400 2000
III	DUPION SILK TEST		
1	Special defect test		300
2	Winding breaks		200
3	Size test		200
IV	YARN TEST		
1	Linear density	IS 1315 / IS-7703 (Part 1) / ASTM D 1907-01 / ASTM D 1059-01	200
2	Moisture content & moisture regain	IS 7703 (PART-3)	350
3	Single thread strength & elongation test	IS 1670 / IS 7703 (Part 2) / ASTM D 2256 – 02	500
4	Loop/Knot strength	IS 1670	500
5	Lea strength	ASTM D 1578 – 93 / IS 1671	500
6	Twist	IS 832 / ASTM D1422-99 & 1423-99 component	250 400
7	Identification of type of YARN / Stapled / filament / Textrued / non textured	In house test method	300
8	No. of filaments in yarn	In house test method	300
9	Staple length of fibres		1000
10	Cross sectional shape of filaments	In house test method	400
11	Yarn diameter	ASTM D 2130- 90	400
VI	FABRIC TEST		
1	Thickness	IS 7702	150
2	Width / Length	IS 1954 / ASTM D 3774-96	150
3	Fabric mass / GSM	IS 1964 / IS 2387 / ASTM D 3776 – 96 / ISO 3801	150
4	Thread density / Fabric count	IS 1963 / ASTM D 3887-96 / ASTM D 3775-03a / IS	200
5	Crimp/count of yarn	IS 3442 / ASTM D 3883 - 04 & 1059 – 01 / ISO-7211/3 & 7211/5	200
	Cover factor	In-house test method	500
6	Warp/weft twist	IS 832 / ISO 7211-4 / ASTM D 1422 – 99 / ASTM D 1423 – 99	400
7	Crease recovery	IS 4681 / AATCC 66	500
8	Stiffness	IS 6490 / ASTM D 1388 – 96	300
9	Abrasion resistance for 5000 rubs/ additional 5000 rubs - Rs.250	IS 12673 / ASTM D 4966 – 98 / ASTM D 4966 – 98 /ASTM D 3884 – 01	500
10	Tensile strength & Elongation	IS-1969 / ASTM D 5034 – 95 / ASTM D 5035 – 95	500
11	Tearing strength	IS-6489 / ASTM D 1424-96 / ASTM D 2261 – 96	300 500
12	Bursting strength	Based on IS-1966 : 1975	400

13	Identification of type of YARN / Stapled or filament / Textured or non textured	In-house test method	300
14	Percentage by weight	In house test method	300
15	Air permeability test	IS-11056	300
		ASTM D 737 – 04	
16	Weave analysis	In house method ; ISO 7211/1(simple)	250
		Complex	500
17	Drape co-efficient	IS 8357	400
18	Water spray test	IS-390	300
19	Pilling resistance	IS-10971	500
20	Bow & skewness test	ASTM D 3882 – 99	350
21	Seam slippage	ASTM D 434 – 95	500
22	Seam strength	ASTM D 1683 – 04	500
23	Seam bursting strength	Based on IS 1966	400
24	Garment seam strength	ASTM D 1683 - 04	500
25	Fabric defect analysis	In house method	1500
26	Shear & peel strength for fastness Rs.250 for every extra 500 cycles	ASTM D 5169-98	600
		ASTM D 5170-98	600
27	Compression test for felts	In house method	600
28	Static elongation & peel strength for laminated	ASTM D 4851-97	600
29	Fabric stretch & stretch recovery	ASTM D 6614-00	600
30	Count of No. of defects in fabric/ 10 mts.	In house method	1500
31	Absorbency of Textiles	AATCC 79	500
32	Wicking test - (Vertica)		500
VII	FELT TEST		
1	Width	ASTM D 461-93 Section 9	300
2	Mass(Weight)	ASTM D 461-93 Section 11	300
3	Tensile Strength & Elongation	ASTM D 461-93 Section 12	1000
VIII	Coated/Laminated and non woven fabric		
1	Tensile Strength & Elongation	IS 7016 (Part 2)	1000
		ASTM D 5034-95 & 5035-95	
2	Tearing strength	IS 7016 (Part 3) Method B / Elmendorf:ASTM D 5734	500
3	Width	IS 7016 (Part 1):1982 Sec.3/ASTM D 3774-96	300
4	Thread Density	ASTM D 3775-03a	500
5	Length	IS 7016(Part 1):Section 2/ASTM D 3773-90	300
6	Mass	IS 7016 (Part 1):1982 Sec.4/ASTM D 3776-96	300
7	Stiffness	ASTM D 5732-95	500
8	Bow & skew	ASTM D 3882-95	500
9	Water vapour permeability		1000
10	Identification of loom origin		1500
11	Type of woven fabric		500

B. CHEMICAL TESTS

Sl. No.	TEST PARAMETER	TEST METHOD	
I	TEXTILES		
1	Light Fastness		
	Xenon (Artificial) - Bulk (10 & Above at a time)	IS-2454 / ISO / AATCC	1000
		IS-2454 / ISO / AATCC	750
	Day light	IS-686-1985	750
2	Wash Fastness		
	Test No. 1-3	IS/ISO C-10-105	200
	Test No. 4 & 5	IS/ISO C-10-105	300
3	Rubbing fastness	IS-766	200
4	Perspiration fastness	IS-971	400
5	Dry Cleaning fastness	IS-4802	500
6	Sublimation Fastness	IS-975	400
7	Hot Pressing fastness	IS-689	400
8	Colour fastness to bleaching		400
	Hypochlorite	IS 762	
	Sodium Chlorite	IS-987	
	Hydrogen Peroxide	IS-763	
9	Colour fastness to Degumming	IS-970	400
	Colour fastness to Water / Hot water	IS-767 / IS-4389	
	Laundrying, home & comm. accelerated	Page 2 AATCC-61 (1A to 5A)	

10	Degumming loss of silk	IS-1582	300
11	Scouring loss of Cotton	IS-1383	500
12	Fiber Identification	AATCC-20	300
13	Blend Analysis (One component)	AATCC-20A	300
	Blend Analysis (multi component)		600
	Blend - Interlining, Felts, nonwovens		1000
14	pH of Aqueous Extracts	IS-1390	300
15	Ether Soluble Matter (Oil & Wax Content)	IS-4390	500
16	Water Soluble Matter	IS-3456	500
17	<i>Dimensional changes</i>		
	Woven Fabrics other than wool	IS-2977	250
	Silk Woven Fabrics	IS-3561	
	Fabrics containing wool	IS-665	
	Knitted fabrics made of synthetic fiber	IS-4419	
	Woven fabrics of rayon & synthetic	IS 1299	
Heat shrinkage	IS-11248	500	
II	CHEMICALS		
1	Soap Analysis (for all the following parameters)	IS 286	2750
2	pH	IS 286	300
3	Total Fatty Matter	IS 286	500
4	Matter insoluble in alcohol	IS 286	500
5	Total moisture Content	IS 286	250
6	Glycerol content	IS 286	400
7	Resin content	IS 286	300
8	Unsaponified matter	IS 286	500
III	IDENTIFICATION OF DYES ON		
1	Cellulose materials	IS-4472 (Part-1)	500
2	Protein fabrics	IS-4472 (Part-2)	
3	Man made fibres	IS-4472 (Part-3)	
IV	WATER ANALYSIS (IS-3025) FOR		
1	Hardness /pH/Total dissolved solids	IS-3025	200
V	Analysis for processing defect	In house method	1500
VI	Other tests		
1	Nature - Woven / Knitted / Nonwoven		200
2	coloured or not / Dyed or not	In house method	200
3	Bleached / unbleached	In house method	250
4	Coated / laminated/imprgnated	In house method	250
5	Lining / interlining	In house method	200
6	Reinforce material	In house method	200
7	Tufted / Non tufted	In house method	200
8	Cut pile / loop pile / others	In house method	200
9	Piled / flocked	In house method	200
10	Upholstry or not	In house method	200
11	Coated material - PU/PV/PVA/PE	In house method	300
12	HSN certificate	In house method	1000

C. ECO & OTHER PARAMETER TESTING

Sl. No.	TEST PARAMETER	TEST METHOD	
I	Textiles/Leather/Auxilliaris		
1	Banned Aryl Amines	DIN EN14362-1	3000
2	Penta Chlorophenol	In house test method	2000
3	Pesticides	In house test method	4000
4	Free formaldehyde	ISO/DIS-14184-1/	1000
5	Heavy metals	IS:1039	550
		DIN 38405 (part-24)	
		In house test method	
II	Zari testing		
	Zari Testing - Chemical method (corporates / Producers / Traders)		2500
	Zari Testing - Chemical method (Handloom Weavers)		1000
III	Spectrophotometer results (CCM results)		
	Delta E result / LAB values / XYZ values	DCI method	300
	R Values and Graphs		500
IV	IR Spectra (FTIR)		1000
	FTIR - identification of coating/finishes		1000

V	Cocoon Testing for Customs	In house method	550
	Cocoon character Aanlysis	In house method	150
	Cocoon Reeling performance test	In house method	550
VI	Thiabendazole (TBZ) _ Identification & Quantification		5000
	Identification of Industrial fibers	In house method	2000
VII	Others		
	Test - Dyeing charges	In house method	250
	Electorspinning charges		

GST extra, Applicable as per prevailing rates

Tatkal Testing Charges:

It is approved to charge double amount under Tatkal scheme for speedy testing services (Within same day for maximum of 5 samples which are booked before 11 AM and applicable for those tests which could be completed within 6 hours of duration)

Note:

1. The test method may vary according to latest standards or relevent test methods.
2. All the In - House Research samples of CSTRI and Sub units are tested on advisory basis.

Approved rates for STL division of CSTRI & RSTRS /STSC units Under CSTRI

Sl No.	Name of Test	Amount (Rs)
1	Denier test (bobbin form) (Minimum of 5 bobbins)	30
	Denier test (skein form) (Minimum of 5 skeins)	40
2	Limited test (5 skeins)	50
3	Raw silk testing & Grading - BIS.	400
4	Raw silk testing & Grading - ISA. (for Indian ARM units)	1100
5	Raw silk testing & Grading - ISA. (Imported silk)	2000
6	Fibre Identification	300
7	Composition of raw silk (Blend analysis)	600
8	Nature - Yarn / fiber / sliver etc.	200
9	Seriplane tests of raw silk	60
10	Serigraph test of raw silk	110
11	Cohesion test of raw silk	60
12	Twist (twisted silk) - single	55
13	Twist (twisted silk) - composite	160
14	Denier test of twisted silk	60
15	Denier test of twisted silk [TN co operative units]	60
16	Twist (twisted silk) [TN co operative units]	50
17	Degumming loss test of twisted silk [TN co operative units]	50
18	denier test (through anna Exchange)	50
19	Computerised Zari Testing	75
20	Computerised Zari Testing at multiple points	* 75
21	Zari Testing - Chemical method (corporates / Producers / Traders)	2500
	Zari Testing - Chemical method (Handloom Weavers)	1000
22	Muga Cocoon stifling per 1000 Nos.	20
23	NE Warping charges per Warp	225
24	NE Machine Rent (CSTRI-MRTM) per Year	600
25	NE Machine Rent (Skeining machine) per year	150
26	Mono cocoon reeling - J&K	60
27	Reelability test (cocoon)	550
28	Reelability test with neatness	750

GST extra. Applicable as per prevailing rates

Note:

1. The test method may vary according to latest standards or relevent test methods.
2. All the In - House Research samples of CSTRI and Sub units are tested on advisory basis.
3. For any other tests, rates approved for TTL, CSTRI, Bengaluru holds good.