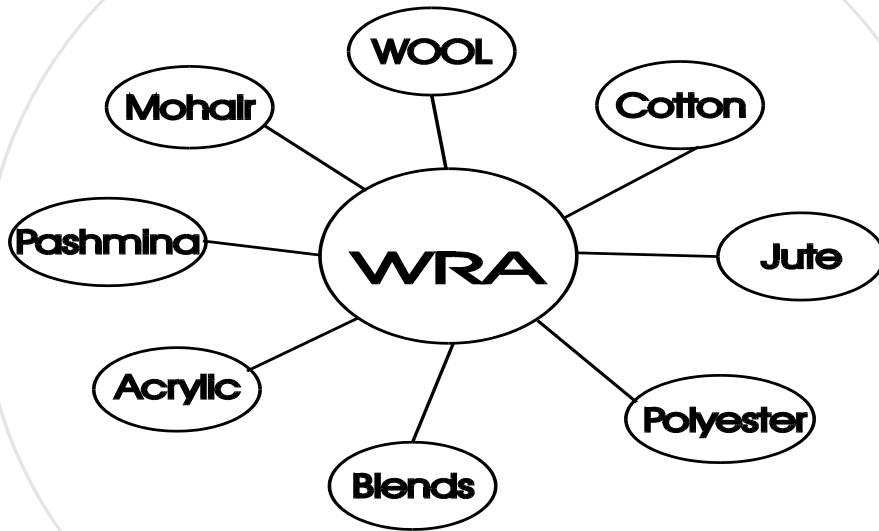


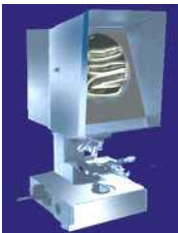


Dont Analyse us by name



But Analyse us By Our Ability

Pioneer Instrument To Latest Technology



International Accreditation

Service Tax as applicable (u/s 69 – Rules 1994)

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☎ 25314294/25314305 Fax no 25842065 e-mail – wra@wraindia.com, www. wraindia.com



RULES , REGULATIONS & SCHEDULE OF CHARGES w. e. f. 01/12/2006

1. Sample for testing will be accepted during office working hours on all week days, Except on holidays, working hours are:
Monday to Saturday - 9.00 a.m. to 5.30 p.m.
2. Test charges are payable strictly in advance at the time of submitting the samples. In any case, no test will be started till payment is received. Cheques are to be drawn in favor of “**WOOL RESEARCH ASSOCIATION**”.
3. Sufficient quantity of samples, as shown in the schedule of charges for tests, should be submitted alongwith an application for requisite tests
4. The Test Report shall be based on *Samples as received*. In their own interest, the clients should make it certain that the samples represent the bulk. Samples for moisture estimation will be accepted only in airtight packing.
5. Samples must be clearly 'MARKED' and 'LABELLED' at the time of submitting them.
6. If samples are to be tested to some definite specifications, instructions in this regard in writing must be submitted alongwith the samples
7. Sample for test will not be accepted if it is felt that their condition is such as to render the results unreliable one or, if the size is below the recommended one.
8. Tests not mentioned in the schedule will be carried out, if necessary equipment is available; charges for such case will be decided by the association.
9. In the normal course, only two copies of the Test Report will be supplied. Additional copies will be supplied at **Rs. 40/-** per copy
10. In all matters regarding acceptance, rejection, priority in testing, etc. the decision of the association will be final
11. The above rules & regulations and the schedule of charges are subject to change without previous notice.
12. All tests will be undertaken subject to the condition that no legal

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responsibility is attached to the association for test reports issued and findings given therein.

13. Normally, test reports will be issued **within 7 working days** of receipt of samples; however, if the number of samples and the number of tests to be carried out are large, WRA Test House has the authority to decide the period of testing.
14. On Party's request the testing of samples will be undertaken on priority or urgent basis, **on payment of one and half times the NORMAL charges**. In case of urgent samples if the reports are delayed the charges will be 'NORMAL'.
15. The WRA Test House will take all possible care as regards samples received for testing; however, it will not be responsible for any loss or damage, which may occur in transit. The sample will be preserved for **ONE MONTH after completing the test**.
16. All samples or goods must be delivered to and removed from the association by the party on whose behalf the tests will be carried out, but they may be forwarded by post /courier at the party's expense and risk. The association assumes no responsibility for delay or damage or loss of samples or reports sent by post.
17. The contents of test reports and correspondence with clients will be kept strictly confidential.
18. The material remaining after test will not be returned unless a specific request is made by the party at the time of submitting the sample for test.
19. Special consultancy charges will also include type of work, work involved, man-hours spent and procurement of raw material, if any.
20. Following is the list of tests (Test House may undertake other tests on specific terms & conditions, as per the requirement of customer & available facility).



TEXTILE TESTING LABORATORY
WOOL RESEARCH ASSOCIATION

Fibre / Sliver Testing			
Ref. No.	Test Description	Quantity Required	Charges
1.	Moisture %	0.5 kg	200
2.	Invoice Weight	0.5 kg	600
3.	Clean Wool Fibre Content	1.0 kg.	700
4.	Vegetable Matter	0.5 kg	170
5.	Wool Base	1.0 kg	700
6.	Ashing Of Loose Wool		300
7.	Black Fibre Content		200
8.	Colour		250
9.	<u>Fibre Fineness (Micron)</u> Air Flow Method	0.5 meter	200
10.	OFDA	0.5 kg	230
11.	Projection Microscope	0.5 kg	300
12.	Single Fibre Length	0.5 kg	220
13.	Fibre Length of sliver / Top	5 meters	250
14.	Kemp Content (Physical separation)	280 gms	160
15.	Staple Length	0.5 kg	200
16.	Nep Count (Visual)	5 meters	100
17.	Staple Strength And P.O.B.	.5 kg	550
18.	Residual Grease (Sox let)	0.5 kg	200
19.	Denier Of Fibre	0.5 meter	200
20.	Single Fibre Strength INSTRON	280 gms	255
21.	Sampling By Core Drill	Per bale	100
22.	Crimp	25 gram	100
23.	Bundle Strength		350
24.	Evenness (U%)		200
24.	<u>Yarn Testing</u>		
25.	Linear Density (Count)	10 bobbins	100
26.	Twist & Direction Of Twist	5 bobbins	200
27.	<u>Fibre Fineness (Micron)</u> Projection Microscope	0.5 meter	300
28.	OFDA	0.5 meter	230
29.	Fibre Length Single Fibre Measurement	10 bobbins	250
30.	Evenness (U%) (With Imperfections For Single Yarn)	10 bobbins	250
31.	Yarn Hairiness Index	10 bobbins /	250
32.	Yarn Friction Coefficient Of Friction Per Surface	10 bobbins / chesses	400
33.	Uster Single Yarn Strength Tester (CRL)	5 bobbins	200
34.	Goodbrand Lea Strength Tester	20 hanks	150

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TEXTILE TESTING LABORATORY
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	Fabric Testing		
34.	Construction : Ends & Picks Per Inch/Dm.	0.5 meters	100
35.	Count Warp & Weft		100
36.	Weave	0.5 meters	100
37.	Fabric Strength INSTRON	1.0 meters	250
38.	Seam Strength	1 meters	200
39.	Goodbrand Double Pendulum Ballistic Tear Strength Tester:	2 meters	200
40.	Weight Per Square Meter Or Other Specific Area	0.5 meters	100
41.	Twist And Direction Of twist (Yarn Removed From Fabric)	0.5 meter	200
42.	Pilling (ICI Test)	0.5 meters	250
43.	Thickness	0.5 meters	100
44.	Air Permeability Max. Pressured Different Of 25m Head Of Water).	1 meter	170
45.	Bursting Strength (Up to 55 Kg/Cm)	1 meter	250
46.	Hydrostatic Head	1 meter	130
47.	Abrasion Resistance (Up 10,000 Rubs) <i>Beyond 10,000 Rubs Per 1000 Rubs</i>	1 meter 1 meter	250 100
48.	Thermal Insulation (TI V) (Tog Meter)	1/2 meter	600
49.	Fabric Performance By SIRO Fast Compression Bending Length Extension Hygral Expansion	1/2 meter full width	1000
50.	Stiffness Test	1 meter	230
51.	Crease Recovery Test	1 meter	260
52.	Bundesmann Test For Water Repellency	1 meter	250
53.	Water Permeability (Cone Test)	1 meter	170
54.	Cover Factor		250
55.	Hygral Expansion		250
	Carpet Testing		
56.	Thickness	0.5 meters	100
57.	Pile Density		400
58.	Abrasion Resistance (Up 10,000 Rubs) <i>Beyond 10,000 Rubs Per 1000 Rubs</i>	1 meter	250 100

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Ref. No.	Test Description	Quantity Required	Charges
59.	Static Loading Short Term	1 sq. meter	600
60.	Static Loading Long Term	1 sq. meter	600
61.	Dynamic Loading Up To 1,000 Impacts	1 sq. meter	600
62.	Shorn Pile Weight Per Sq. Meter	1 sq. meter	360
63.	Weight Per Sq. Meter Of Carpet Backing	1 sq. meter	300
64.	Dimensional Stability To Heat		200
65.	Dimensional Stability To Water		200
66.	Tuft Bind		200
67.	Tuft / 10 Cm		200
68.	Tetra pod Walker		200
	Chemical Testing		
70.	Solvent Extractable Matter (Pet. Ether / DCM)	0.5 kg` 0.5 meter	200
71.	Fibre Identification (Microscope)	25 GMS	150
72.	Wool Content	25 GMS	150
73.	Blended Composition: By Chemical Method 2 Components Additional Components	200 GMS	200 100
	By microscope Method) Per Component	200 GMS	150
74.	Alkali Solubility	200 GMS	255
75.	U.B. Solubility	200 GMS	300
76.	Scouring Loss	0.5 meters 2 bobbins	200
77.	Relaxation Shrinkage	1 meters	200
78.	Felting Shrinkage (On Cubex Shrinkage Machine).	1 meters	200
79.	pH Of Aqueous Extract	200 GMS 0.5 meter.	100
80.	Water Soluble Matter	200 GMS. 2 bobbins 0.5 meters	100
81.	Hardness Of Water (Total Temporary And Permanent And Dissolved Solids)	5 liters	275
82.	Proofing Content	1 meter	400
83.	Aluminum / Copper / Zinc / Iron / Chromium / DDT Content	0.5 meter	400
84.	Proofing Eulan Perigin Etc.	0.5 meters	1000

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Ref. No.	Test Description	Quantity Required	Charges
85.	Comparative Assessment Of Combing Oil For Scour ability & Effect Of Exposure To Light.	2 samples of 250 ml each	700
86.	Dye ability Of Dyes On Different Fibres	100 GMS	300
87.	Confirmation Of Class Of Dye On Fibre	200 GMS 2 bobbins	260
88.	Flame Retardency	1 sq. Mt	400
Colour Fastness Testing			
89.	Colour Fastness To A) Light (Xenon Arc Lamp) (Up To Grade 8) B) Accelerated Fading Per 250 Hrs.	1 bobbin 0.5 meter	300 1000
90.	Washing	0.5 meter	200
91.	Perspiration At pH 5.5 And pH 8.0	0.5 meter	200
92.	Water	0.5 meter	200
93.	Organic Solvents	1 bobbin 0.5 meter	200
94.	Dry Cleaning	1 bobbin 0.5 meter	250
95.	Rubbing (Dry & Wet)		200
96.	Ironing		200
97.	Shampooing		200
98.	Cross Dyeing		300
99.	Alkaline Milling		250
100.	Decatizing		300
101.	Potting		300
102.	Copper & Iron		650
103.	Dischargeability		220
104.	Effect of acid & Alkali		220
105.	Dry		220
106.	Damp		220
107.	Wet		220
108.	Dry Cleaning Shrinkage		300
109.	Washing & Ironing Shrinkage		300
110.	Steaming Shrinkage		350
111.	Oriental Rug Wash		350
112.	Dyeing charges / shade		600

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- ❖ Printing, Designs (With Colour Separation), Sarees, Dress, Furnishings
- ❖ Jacquard - Furnishing, Dress material, upholstery
- ❖ Hand Knotted Carpets, Hand Tufted Carpets, Machine Made Carpets
- ❖ Durries, Floorings
- ❖ Knitting
- ❖ Embroidery

Special Training Courses conducted by WRA

- **Sorting & Grading of Wool**
 - **CAD for Weaving/Printing, Embroidery/Carpet Designing**
 - **Eco-testing**
 - **Dyeing with Vegetable dyes**
 - **Computer Colour Matching**
 - **Physical and Chemical Testing of Wool and Yarn**
 - **Testing for quality Control of Carpet**
 - **Eco-friendly Chemical Finishing of Carpet**
 - **Woollen Carding for Wool and Shoddy**
 - **Woollen Spinning for Wool and Shoddy**
 - **CAD for Knitting**
 - **Multi-fibre Friction Spinning on Dref-II**
 - **Jute Spinning**
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The details of duration of course, fees etc., can made available from WRA.
We can organize workshops/courses at fields also.

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- **Setting up new plants**
- **Implementation of the Project**
- **Techno - Economic feasibility study**
- **On line problems in mechanical processing, wet finishing, effluent control etc.**

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Special bulk discount will be offered to those who give business of RS 1 lac or more (on realization basis) on actual testing charges.