

**TESTING SERVICES
OFFERED BY
ATIRA TEXTILE & CHEMICAL TEXTILE TESTING
LABORATORIES**



Ahmedabad Textile Industry's Research Association

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ATIRA is an autonomous co-operative, non-profit association for textile research. It has extensive infrastructure: laboratories, pilot mills workshops, library and information services.

Activities of ATIRA are multifarious. Apart from Research and Development, it offers Consultancy, Training, Testing and Calibration services.

ATIRA has different Science and Technology Divisions e.g Spinning, Weaving, Chemical Technology Division, Environmental Engineering, Composites, Service Centers, e.g. Incubation Centre, Powerloom Service Centre, NICTAS, Library, C.L. Centre, Nanoweb Laboratory etc. and a Regional Center at Indore, Madhya Pradesh and Guwahati, Assam.

ATIRA has well equipped Analysis and Testing facilities.

- ✓ Testing services offered by Textile Testing Laboratory include testing of Fibers, Yarns, Fabrics, Garments, Technical Textiles-Fire-retardant Fabrics, High Visibility clothing, Geotextile, Chemicals and Solid Fuels.
- ✓ Testing services offered by Composites Laboratory include testing of Plastics, and Composites.
- ✓ Testing services offered by Environmental Engineering Division include testing of Effluents, air etc.

ATIRA is having a state-of-the-art Calibration Laboratory for calibration of various parameters for required industry in production, quality control and testing laboratories.

QUALITY POLICY

ATIRA management and employees of the Laboratories are committed to render satisfactory and timely services to the customers by:

- Adopting National and International standards, validated in-house methods, as well as standard laboratory practices to deliver accurate, reliable, repeatable and reproducible reports;
- Documenting and maintaining the Quality System as per the criteria stipulated in the International Standard ISO/IEC 17025:2005 and ensuring confidentiality of test / calibration results;
- Imparting need based training to the laboratory personnel;
- Participating in inter-laboratory proficiency testing and/or inter-laboratory comparisons.

FIBRE TESTS

Sr. No.	Test Parameters	Testing Standards	Testing Charges (Rs.) per Sample
1	Cotton properties analysis on Uster HVI	ASTM D 5867-05 ISO 4913:1981 IS 233 Part 4 :1978 (Reaffirmed 1999)	130
2	Cotton properties analysis on Uster AFIS	ASTM D 5866-05	360
3	Fibre Length Analysis by Bear Sorter	IS 233 (Part I)-1978	600
4	Total Trash%	ASTM D 2812-95 IS 4871-1968	200
5	Moisture	IS 199	300
6	Fibre Length	BISFA Standard 1998 ISO 6989-1981 IS 10014 (Part 1)-1884 (Reaffirm 1999) (Oil plate method)	600
7	Single Fibre Strength & elongation%	ASTM D 3822-07 IS 235 -1989 (Reaffirm 1995) ISO 5079-1995	1000
8	Fibre Fineness/ Denier	ASTM D 1577-07 IS 234-1973 (Reaffirmed 1999) ISOhydr 1973-1995	400
9	Fibre Diameter	BS-3085 No 11	900
10	No. crimps/cm	ASTM D 3937-01	200
11	Whiteness Index	AATCC 110, ISO 105 J02	500
12	Fatty Matter/Wax/Oil Content	IS 199	500
13	Honey dew content	Qualitative method	250
14	Absorbancy/Sinking Time	ATIRA In-house Method	500

YARN TEST

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1	Spun yarn Count & Count CV%	ASTM D 1907-07 IS 1315-1977 (Reaffirmed 1999) ISO 2060-1994	300
2	Lea Strength	CSP, Count, Strength & CV% ASTM D 1578-93 (Reapproved 2006) IS 1671-1977 (Reaffirmed 1999) ISO 6939-1988	500
3	Single Yarn strength & Elongation, RKM Form Spool	a) Statimat –M / Instron UTM ASTM D 2256-02 IS 1670-1991 b) Tensojet Uster Standard Test Method	600 600
4	Single Yarn strength & Elongation, RKM removed from fabric	ASTM D 2256-/D2256M-09 IS 1670 – 1991(Reaffirmed 1996) ISO 2062 : 1993	600
5	Yarn/Sliver/Roving Unevenness	a) U%, Imperfections/Km, Spectrogram ASTM D1425-96 ISO 16549-2004 b) U%, Imperfections/Km, Spectrogram with Hairiness ASTM D1425-96 ISO 16549-2004 c) Additional Charges for other test parameters e.g. Fabric Simulation, Mass Diagram	400 500 120
6	Hairiness	Hairiness on UT-4 Uster Standard Test Method	200
7	Twist	ASTM D 1422 -99 (Reapproved 2008) IS 832-1985(Reaffirmed 1999) ISO 17202:2002 Single spun/Double/Filament Snarling Twist	500

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
8	Ply of Yarn	ASTM D1423	50
9	Classification of yarn Faults on Uster Classimat Quantum	ASTM D 6197-99 (Reapproved 2005) a) Classification b) 25 faults Collection c) Each Extra 25 Faults Collection	500 700 extra 200
10	Yarn Diameter	BS-3085 No 11	300
	Filaments Denier	ASTM D 1907-01 IS 1315-1977	300
11	Number of Filaments	ASTM D1423-02 IS 832-1985	500
12	Length of yarn on Spool	ATIRA Test Method	400
13	Yarn Identification (one Direction)	Textured or Non-textured Ring Spun or Rotor Spun	300 200
14	Moisture Content	IS 199	300
15	Whiteness Index	AATCC 110, ISO 105 J02	500
16	Lycra Percentage	In-house Test Method	500
17	Hot Air Shrinkage	In-house Test Method (30 min)	1000
18	Boiling Water Shrinkage	In-house Test Method (30 min)	800
19	PTFE Content	Burning Test	500

**FABRIC AND GARMENT TEST
CONSTRUCTION TEST**

<i>Sr. No.</i>	<i>Test Parameters</i>	<i>Testing Standards</i>	<i>Regular Charges (Rs.) per Sample</i>
1.	Count (Linear Density) of yarn	ASTM D 1059 -01 IS 3442-1980 ISO 7211-5: 1984	400 (as such) 600 (After definishing) 100 extra for each additional colour and type of yarn
2.	Crimp of yarn in fabric	IS 3442-1980 ISO 7211-3 1984 ASTM D 3883-2008	300 100 extra for each additional colour and type of yarn
3.	Yarn Twist (per Direction)	ASTM D 1422 -99 ASTM D 1423-02 IS 832-1985 : Edition 2.2 (2000-03) ISO 7211-4 1984	500 200 extra for each additional colour and type of yarn
4.	Identification of Filament/Staple	Visual Assessment	150
5.	Identification of Ring/Rotor	Visual Assessment	150
6.	Fabric Weight	a) Mass per Unit Area ASTM D 3776/D3776M-09a IS 1964-2001(RA 2006) ISO 3801-1977 b) Mass per Running Length ASTM D 3776/D3776M-09a IS 1964-2001(RA 2006) ISO 3801-1977	200 350
7.	Threads per Unit Length / Woven Fabric Construction	ASTM D3775-08 IS 1963-1981 ISO 7211-2: 1984	200
8.	Stitch Density / Knitted Fabric Construction	ASTM D 3887-96 (Reapproved 2008)	200
9.	Cover Factor alongwith fabric construction and yarn count	ATIRA Test Method	600
10.	Fabric Width	ASTM D3774-96 (Reapproved 2008) IS 1954-1990 (Reaffirmed 1996)	150
11.	Fabric Thickness (Other than industrial textile)	ASTM D 1777 ISO 5084	200

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
12.	Whiteness Index Color Value Color Difference (Delta E Value)	ISO 105 J02 AATCC 110	500
13.	Moisture Content	IS 199	300
14.	Type of Weave	Visual	200
15.	Lycra content	ATIRA Test Method	500

PERFORMANCE TEST

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Abrasion Resistance	a) Martindale Abrasion ISO 12947(1-4): 1998 ASTM D 4966 -98R07 IS 12673-1989 (Reaffirmed 1995)	Up to 10000 rubs Rs. 1000 Each additional 5000 rubs or part thereof Rs. 500
2.	Pilling Resistance	a) ICI Pilling Box ISO 12945-1:2000 IS 10971-1984 (Reaffirmed 1993) b) Martindale Pilling ISO 12945-2 :2000 ASTM D 4970-07	Up to 18000 Rev Rs. 500 Up to 5000 Rs. 600 Each additional 1000 rubs or part thereof Rs. 250
3.	Wrinkle Recovery	AATCC 128 ISO 9867	500
4.	Crease Recovery	ISO 2313-1973 IS 4681:1981 (Reaffirmed 1999) AATCC 66-2003	600
5.	Stiffness/ Bending length	ASTM D 1388	300
6.	Drape Coefficient	ISO 9073-9:2008, Method A IS 8357-1977 EDANA-90.4-99	500

STRENGTH TESTS

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Tensile Strength	a) Strip Strength & Elongation ISO 13934-1:1999 IS 1969-1985 ASTM D 5035-06 (Reapproved 2008) b) Grab Strength ISO 13934-2:1999 ASTM D 5034-09 IS 1969-1985	600 (other than industrial/technical fabric) 800 (Industrial/technical textile)
2.	Seam Performance	ASTM D 434 (Fabric) ASTM D 1683 (Garment) a) Seam Slippage ISO 13936-1 & 2 BS EN 13936-1 & 2 b) Seam Strength ISO 13935- 1 & 2 BS EN 13935-1 & 2	750 (other than industrial/technical fabric) 900 (Industrial/technical textile)
3.	Tearing Strength	a) Elmendorf Tear ISO 13937-1:2000 ASTM D1424-09 IS 6489:1993 Ra 2006 b) Tongue Tear (Single/ Double) ISO 13937-2 :2000 ASTM D 2261-07a ISO 13937-4:2000 c) Wing Rip ISO 13937-3:2000 d) Trapezoid Tear ASTM D 5587/4533	600
4.	Bonding Strength	ASTM D 2724 AATCC 136	600

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
5.	Bursting Strength	Diaphragm burst ASTM D 3786 BS EN ISO 13938-1, ISO 13938-1 IS 1966	800
6	Stretch and Recovery	ASTM D 6614 ASTM D 3107 ASTM D 5278	600

DIMENSIONAL STABILITY (SHRINKAGE) TESTS

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Dimensional Stability to washing	AATCC 150 AATCC 135 ISO 6330 BS EN ISO 6330 IS 1299 a) One Wash b) Each Additional Wash	400 (upto 60°C) 600(above 60°C) 300(upto 60°C) 500(upto 60°C)
2.	Dimensional Stability after immersion in water (Shrinkage after Cold Water Immersion)	ISO 7771 AATCC 99 IS 2977	300
3.	Dimensional Stability after exposure to heat	ISO 9866-2 AATCC 117 IS 12170	400
4.	Appearance after Laundering (one cycle) (Durable Press Rating)	a) Smoothness Appearance AATCC 124 ISO 7768 b) Crease Retention AATCC 88C ISO 7769	350
5.	Bow/Skew	ASTM D 3882	500
6.	Spirality / Skewing of Fabrics & Garments (after one wash)	AATCC 179 ISO 16322-2	400 (upto 60°C) 600(above 60°C)

COLOR FASTNESS TESTS

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Washing	ISO 105 C10 BS EN ISO 105-C10 IS 687,3361,764, 765 IS 3417	350
2.	Laundry	ISO 105- C06 /C08 BS EN ISO 105-C06 /C08 AATCC 61 No. 1A-5A IS 687,3361,764, 765 IS 13025	350
3.	Perspiration	ISO 105-E04, IS 971	400
4.	Dry & Wet Crocking/Rubbing	ISO 105-X12, AATCC 8 & AATCC 165, IS 766	200
5.	Light	a) Xenon Arc (Water Cooled) ISO 105 B 02 BE EN ISO 105 B02 i) BWS 4 or below ii) BWS 5 iii) BWS 6 or above b) AATCC 16 i) 20 Fading Units or below ii) Each Additional 10 fading Units	1000 1500 3000 1000 500
6.	Water	ISO 105-E01 BS EN ISO E01 AATCC 107 IS 767	300
7.	Sea Water	ISO 105 E02 AATCC 106 IS 690	300
8.	Chlorinated Water	ISO 105 E03 BS EN ISO 105 E03 AATCC 162	500
9.	Dry Cleaning	ISO 105-D01 AATCC 132 IS 4802	350

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
10.	Hot pressing	ISO 105-X11 AATCC 133 IS 689	400
11.	Bleaching	a) Hypochlorite ISO 105 N01 BS EN ISO 105 NO1 IS 762 b) Oxidative Bleach ISO 105 C09 BS EN ISO 105 C09	300 300
12.	Sublimation	IS 975	400
13.	Perspiration and Light	a) ISO 105-B07 i) BW 4 ii) BW 5 AATCC 125 i) 20 Fading Unites or Below ii) Each Additional 10 Fading Units	1400 3400 1400 500

Flammability

Sr. No.	Test Parameters	Testing Method	Testing Charge (Rs.) per sample *
1.	Pretreatment Washing 1 Cycle	ISO 6330 or any other method	300 (upto 60oC) 500 (above 60oC)
Personal Protective Clothing (As per ISO 11612/EN 531/ISO 14116/EN 533/ISO 11611/ISO 11613/ISO 15758:2007/IS 15612/EN 469			
2.	Flame Resistance	ISO 15025/EN 532/IS 15758:2007 (Part IV) Procedure A (Surface Flame) Procedure B (Edge Flame)	1500 1500
3.	Convective Heat Resistance	ISO 9151/EN 367/IS 15758 (Part I)	2500
4.	Radiant Heat	ISO 6942/ EN 366/ IS 15758 (Part 2)	6000
5.	Heat Transfer	ISO 17493 / NFPA 1975	700
6.	Contact Heat Resistance	ISO 12127-1	2000
7.	Resistance to Molten Metal small splashes (NITRA)	ISO 9150-2	6000+ 300 courier charges
8.	Resistance to Molten Metal large splashes Aluminium Iron	ISO 9185	6000 5000
General Apparel			
9.	Ease of Ignition of Vertically Oriented Specimen	ISO 6940/ SI 15589:2005 Procedure A (Surface Flame) Procedure B (Edge Flame) IS 15612: 2005 (Part 3) Procedure A (Surface Flame) Procedure B (Edge Flame)	1500 1500 1500 1500
10.	Flame Spread Properties of Vertically Oriented Specimen	BS 5438 Test method 1A BS 5438 Test Method 2A ISO 6941/ IS 15590 Procedure A (Surface Flame) Procedure B (Edge Flame) IS 15612: 2005 (Part 4) Procedure A (Surface Flame) Procedure B (Edge Flame)	1500 1500 1500 1500

		IS 15612: 2005 (Part 2) Procedure A (Surface Flame) Procedure B (Edge Flame)	1 500 1500
11	US flammability Fabrics Act General Apparel	16 CFR 1610 ASTM D 1230	1500
12	Determination of burning of Polymeric Interior Materials (Automotive) – Horizontal Test Method	SAE J 369 / ISO 3795 ASTM D 5132/ FMV SS 302 IS 15061-2002	1500
13	Flammability	IS 11871- Procedure A : Vertical Flammability IS 11871- Procedure B: 45 Degree Flammability	500 500
14	Vertical Flammability	ASTM D 6413	1500

FUNCTIONAL TEXTILE TESTS

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Fabric Air permeability	ISO 9237-1995 ASTM D 0737 -04 (Reapproved 2008) IS 11056-1984 (Reaffirmed 1999) EDANA 140.2-99 ISO 9073-15 :2007	600
2.	Water Resistance : Hydrostatic Pressure Test	ISO 811-1981 AATCC 127 -2003 EDANA 120.2-02 ISO 9073-16 :2007	600
3.	Water Repellency (Spray Test)	ISO 4920 -1981 AATCC 22-2005 IS 390 -1975 (Reaffirmed 1997)	250
4.	Water Absorbency	AATCC 79-2000 IS 2349-1963	500
5.	Oil Repellency Test	AATCC 118	1000
6.	Cone test	IS 7941-1976	300
7.	Thermal Resistance	ISO 11092-1993, ASTM D 1868, NFPA 1971	2000
8.	Water Vapour Permeability	ISO 11092-1993, ASTM D 1868, NFPA 1971	3000

GARMENT ACCESSORIES TESTS**ZIPPER TESTS**

Sr. No.	Test Parameters	Testing Standards	Regular Charges (Rs.) per Sample
1.	Zipper Strength	ASTM D 2061 i) All tests ii) Individual tests	3800 550
2.	Color Fastness to a) Dry Cleaning b) Washing c) Water	BS EN ISO 105 D01 BS EN ISO 105 C06 BS EN ISO 105 E01	300 300 300
3.	Dimensional Stability to a) Washing	ASTM D 2051	250

HIGH VISIBILITY CLOTHING

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
BACKGROUND MATERIAL			
1.	Color Performance	EN 471-2008-03 EN 1150-1999 IS 15809: 2008	500
2.	Color Performance after Xenon Test	EN 471 & ISO 105-B02 EN 1150 & ISO 105-B02 IS 15809: 2008 & IS 2454 a) For Orange and Red Material b) For Yellow Material	2000 1500
3.	Color Fastness to rubbing	ISO 105-X12 IS 766	200
4.	Color Fastness to Perspiration	ISO 105-E04 IS 971	400
5.	Color Fastness to laundry	ISO 105-C06 IS 13025	350
6.	Color Fastness to Dry-cleaning	ISO 105-D01 IS 4802	400
7.	Color Fastness to Hypochlorite Bleaching	ISO 105-N01 IS 762	250
8.	Color Fastness to Hot Pressing	ISO 105-X11 IS 689	400
9.	Dimensional Change (after Five Wash)	ISO 5077/ISO 6330 IS 15370:2005 After five Wash Each Additional Wash	1000 200
10.	Tensile Strength	EN ISO 13934-1	600
11.	Tear Strength	ISO 4674-1977	600
RETROREFLECTIVE MATERIAL			
12.	Coefficient of Retro-reflection [Reflective Part]	EN 471 EN 1150 IS 15809: 2008	500
13.	Coefficient of Retro-reflection after Martindale Abrasion Resistance	EN 471 & ISO 12947 EN 1150 & ISO 12947 IS 15809: 2008 & IS 12673	Up to 10000 rubs Rs. 1000 Each additional 5000 rubs or part thereof Rs. 500 extra

14.	Coefficient of Retro-reflection after Washing	EN 471 & ISO 5077/ISO 6330 EN 1150 & ISO 5077/ISO 6330 IS 15809: 2008 & IS 15370:2005 After One Wash For Each Additional Wash	800 300 extra (upto 60oC) 500 extra (above 60oC)
15.	Coefficient of Retro-reflection after exposure to temperature variation	EN 471	2500

Electrostatic Resistance Testing

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1.	Surface Resisstivity	EN 1149-1	1000
2.	Vertical Resistance	EN 1149-2	1000

Chemical Resistance:

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1.	Liquid Chemical Resistance	ISO 6530	1000

Liquid/ Powder Material:

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1.	Particle Size Analysis	ATIRA Test Method (Laser Diffraction Method)	1000

GEOTEXTILE MATERIAL

Sr. No.	Test Parameters	Testing Method	Test Charges (Rs.) per Sample
GEOTEXTILES & FILTERS (WOVEN & NONWOVEN)			
1.	Fabric Weight	BS EN ISO 965 BS EN ISO 9964 ASTM D 5261 i) Mass per Unit Area ii) Mass per Linear Meter	400 600
2.	Thickness	BS EN ISO 964-1 BS EN ISO 9863 ASTM D 5199	400
3.	Threads per Unit Length / Woven Fabric Construction	ASTM D 3775 IS 1963 ISO 7211-2	200
4.	Breaking Strength (Strip Method)	ASTM D 5035	800
5.	Grab Breaking Strength	ASTM D 4632 IS 1969 ISO 13934-2	800
6.	Tear Resistance	ASTM D 4533	600
7.	Wide Width Tensile Properties	BS EN ISO 10319 ASTM D 4595	1500
8.	UV Resistance (% Retained @ 500hrs)	ASTM D 4355	80 Rs. per hour
9.	Bursting Strength	a) Diaphragma burst ASTM D 3786 BS EN ISO 13938-1, ISO 13938-1 IS 1966	800
10.	Index Puncture	ASTM D 4833	1200
11.	CBR Puncture	EN-ISO 12236 ASTM D 6241	1200
12.	Pore Size Analysis by Porometer	ASTM D 6767	1200
13.	Water Permeability (Falling Head Test)	ASTM D 4491 DIN EN ISO 11058	1000
14.	Apparent Opening Size	ASTM D 4751 DIN ISO EN 12956	500

15	Cone Drop	ISO 13433:2006	500
16	Tensile Properties of Geogrids	ASTM D 6637-11 (Method A)	1500
17	Abrasion Resistance	BAW	18000
18	In-plane water permeability (0.1 and 1 gradient) (per gradient)	EN ISO 12958	6000 3000

CHEMICAL ANALYSIS

FABRICS/FIBERS

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1	pH (of aqueous extract Fab.)	IS-1390 ISO-3071	300
2	Fiber Identification	IS-667	400
3	% Blend	IS & ISO methods	800
	(Additional each fiber)		200
4	Honey dew in raw cotton	In-House Method	250
5	Total size content	IS-199	500
6	Scouring loss	IS-1383	600
7	Barium activity number	IS-1689	600
8	Wax/Oil content	IS-199	500
9	Cupraammonium fluidity	IS-244	600
10			
11	Water soluble matter	IS-3456	400
12			
13	Identification of class of dyes	IS-4472	3000

CHEMICALS/AUXILIARIES / MISCELLANEOUS

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1	Solid Content	using oven	300
2.	Ash content	IS-199	500
3.	Calibration of Viscosity cup	In-House Method	2000
4.	Loss on ignition	In-House Method	500

ALYSIS OF SOLD FUEL [Coal, Lignite, Briquettes, Agro Waste etc.]

Sr. No.	Test Parameters	Testing Method	*Test Charges (Rs.) per Sample
1.	Proximate analysis	IS-1350, Part I	800
2.	Gross calorific value	IS-1350, Part II	800
3.	Sulphur content (by bomb calorimeter)		500
4.	Ash/combustibles	IS-1350, Part I	500

In addition to the above, other special tests are also under taken and charges are decided based on the specific type of test.

- Apart from regular testing, if any pre-treatment (s) are required to conduct testing such as desizing, winding etc., special sample preparation, **additional appropriate charges shall be paid by the client.**
- Testing **“on priority basis”** will be accepted at the discretion of the Test Laboratories with an additional test fee of the **TWICE** the fees given in this manual.
- The sample for testing should be packed and labeled well and handed over to the laboratory either in person or by post/courier during working hours.
- Samples less than the minimum quantity may be accepted for testing, in which case, the report will indicate a statement to the effect that the **sample size was small.**
- **The test reports issued refer only to the samples submitted for analysis.**
- ATIRA test laboratories maintain a standard atmosphere for condition and testing of textiles viz relative humidity of **65%± 2% and 27⁰ ± 2⁰.**
- At the client’s request, a sample may be tested without conditioning. In such cases, the report will indicate that the tests were conducted in **“condition received”.**
- The sample particulars mentioned in the customer request form/ sample forwarding letter will be mentioned in the test report. Any further addition in sample particulars will not be done after issuing the report.
- ATIRA Laboratory reserves the right to refuse the acceptance of any samples due to unsuitability of the material or non-availability of facilities.
- **The contents of test reports and correspondence with the clients will be kept strictly confidential and will not be disclosed to a third party.**
- The samples for testing will be retained for a period of **15 days after submission.**
- Normally, the balance material after testing is not returned unless specifically requested at the time of submission samples, in which case, the same should be collected **within one week after the issue of the reports**
- All possible care will be taken regarding the samples received for testing. The test laboratory is not liable for any loss or damage that may occur due to unforeseen circumstance.
- Charges for witnessing test will be extra @Rs.3000/- per person per day.