

+Textile testing and service centre at Tirupur

SITRA has established a sample collection centre at Tirupur in the year 2005. Samples collected at the centre are brought to SITRA the same day. In many cases, results are reported to the customers within 24 hours, thus reducing considerably the turnaround time. Based on customers' feedback, SITRA has upgraded the centre into an extension service centre and has completed the process of setting up a laboratory with essential instruments for physical and chemical testing of knitted fabric / garments, water effluent, chemicals etc. During the year 2015, the centre had moved to a spacious building to accommodate more instruments. With additional instruments added during the year, the centre has been able to reduce the turnaround time of sending samples to SITRA and carry out testing for water / effluent testing, fibre identification & blend analysis, etc

PHYSICAL

- Count
- CSP
- TPI
- No. of ply
- Pilling Test - fabric
- TPI of yarn from fabric
- Ends & Picks per Inch
- Yarn count (Fabric)
- Zipper/ snap button pull test
- Tearing strength
- Tensile strength
- Seam slippage
- Bursting strength
- Length of yarn

CHEMICAL

- Blend analysis (bi & tri Component)
- Fibre identification
- Hot air shrinkage
- Dimensional stability
- Barium activity number (BAN)
- Chemical purity
- TDS (Fabric)
- Colourfastness to washing, rubbing water, drycleaning, perspiration & sublimation
- IFB washing & drying
- Moisture content
- Solid content

KNITGARMENTS

- Count of Yarn
- GSM
- Course & loop length
- Courses & wales per Inch
- Yarn separation
- Lycra denier & percentage
- Yarn length (sewing threads, 10000 m.)
- Shrinkage after washing & ironing
- Shrinkage & spirality
- Total garment weight
- Strength loss after 12 wash
- Fabric dimension
- Type of weave/ structure

WATER ANALYSIS

- pH
- Conductivity
- Dissolved oxygen
- Total hardness as CaCO_3
- Calcium hardness
- Magnesium hardness
- Chlorides as Cl^-
- Free CO_2
- Total alkalinity
- Phenolphthalein alkalinity
- Carbonate alkalinity
- TDS & TSS
- Colour & odour
- COD & BOD
- Metals (Na, Zn, Cu, Co, Pb, Cd, Ni, Sb, Fe, As) using AAS
- Fluorides
- Sulphates
- Iron
- Turbidity
- Nitrogen



CONSULTANCY SERVICES

With its rich 6 decades experience in the field of textile processing backed with latest technology equipments, SITRA offers consultancy services to textile chemical processing industries and other related institutions on various technical and commercial aspects, a few of which are mentioned below:

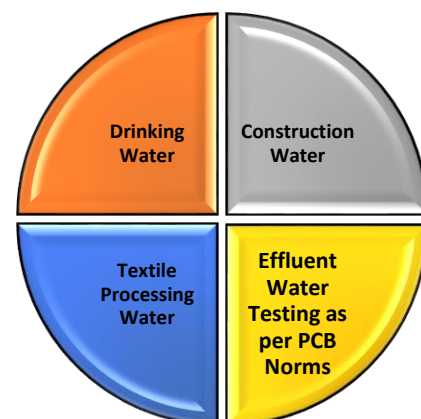
- Consultancy services on technical troubleshooting
- Process optimization to achieve desired quality parameters
- Study of water consumption* and / or material to liquor ratio of various processing machines
- Any other adhoc problems related to processing

TRAINING SERVICES

1. Process and quality control in wet processing
2. Defects & their remedies
3. Practical aspects of wet processing
4. Lab technician programmes
5. Eco-labeling and green processing of textiles

Also customized training programs are offered especially for processing units

WATER PACKAGE



Tirupur Office:

SITRA Textile Testing & Service Centre
 The South India Textile Research Association (SITRA)
 Dyers Association of Tirupur Building,
 Door No : 7/4, 2nd Floor, Pethichettipuram 2nd Street,
 Rayapuram Main Road, Tirupur - 641601.
 Ph.No : 0421 - 4530443 E-Mail : tprchem@sitra.org.in

For Further Queries,

Mr. S. Sivakumar
 Head of the Department
 The South India Textile Research Association
 13/37, Avinashi Road,
 Civil Aerodrome post,
 Coimbatore - 641 014

Tel: 0422 - 4215333, 2574367 - 9, Extn.: 360
 e-mail: ssk@sitra.org.in.
 Website: www.sitra.org.in