





TEXTILE TESTING LABORATORIES INDIA PVT LTD

(A Division of Eastman Exports Global Clothing (P) Ltd.,)



PROFILE







TTL PROFILE

Eastman Exports Global Clothing (P) Ltd., (EEGCPL) is a private limited company established in 1983. This concern is having Textile Testing Laboratories India Private Limited, Called as "TTL") – as its in-house laboratory. A brief profile of the organization is furnished below.

EEGCPL is a Government Recognized Three Star Export House engaged in the business of exporting knitted and woven garments.

About Us:

About 05.		
Name	Eastman Exports Global Clothing (P) Ltd	
Address	5/591, Sri Lakshmi Nagar Pitchampalayam Pudur	
City	Tirupur.	
State	Tamil Nadu	
Country	India Markon	
Zip / Postal Code	641 602	
Tele Phone	+91421 4301234	
Fax	+91421 4301205	
E-Mail	eman@vsnl.com	
Web site	www.eastmanexports.com	
	Status	
A	A Government of India Approved "Export House"	
	An ISO 9001: 2000 Certified Quality Management System.	
Certifications	An SA 14000: 2004 Certification for Environmental Management	
	System	
	OEKO TEX, GOTS Certified	
Experience in Export	24 Years with many satisfied Buyers	

Textiles Testing Laboratories India (P) Limited (TTL) has been set up to meet the Internal and external customer requirements. The company has many overseas customers having requirements of quality goods / products manufactured by EEGCPL are ensured in our laboratory.

This company meets the regulatory requirements stipulated by the local state and central governments and other regulatory bodies. Further the Eastman Exports Global Clothing (P) Ltd has decided that the Textiles Testing Laboratories India (P) Limited (TTL) accredited by NABL – National Accreditation board for Testing and Calibration Laboratories (member of ILAC – International Laboratory Accreditation Cooperation) according to ISO / IEC 17025:2005.





Accreditations

ISO 17025: 2005 ACCREDITED LABORATORY & MANY RETAILER'S ACCREDITATIONS



























Approvals







All the test carried out as per AATCC, ASTM, ISO, BS, IS, JIS and In-house test methods with this accreditation the test reports of the laboratory are valid in Europe, Swiss, UK, France, USA, Asia, India are signatories to TTL.





FACILITIES

The Laboratory is equipped with state-of-the-art instruments such as, (major equipments)

- Chromatographic instrument, Gas Chromatography mass spectrum Detector –
 GCMSD (Agilent)
- Spectrophotometers
- Xenon fade-o- meter (Atlas Ci3000)
- Bursting Strength Testers
- Roto vapor (Buchi), Ultra Sonicator (Crest)
- ICI Pill box tester
- Random Tumble Pilling tester
- Martindale Abrasion tester (SDL-Atlas),
- Sublimation fastness tester,
- Crock meter (SDL-Atlas),
- Incubator & Perspiration tester (Roaches),
- Roto Wash (SDL-Atlas),
- pH meter(Eutech),
- Soxhlet Extraction Apparatus,
- Pilling Viewer(Verivide),
- Colour Matching Cabinets (Verivide),
- Projection Microscope (Unilab),
- Humidifier + Air Conditioner (Emerson),
- Washcator (Electrolux),
- Washers (Whirlpool) & Dryer (Whirlpool),
- Miele Washing machine





MAJOR TESTING FACILITIES

GAS CHROMATOGRAPHY MASS SPECTRUM DETECTOR - GCMSD (AGILENT)

- Analytical Chemical Tests (Restricted Substance Testing)
- Banned Amines Azo
- Phthalate Content
- Organo metalic tin
- Chlorinated organic carrier
- Chlorophenols (PCP etc..)
- Formaldehyde Content
- pH Value
- Odor test
- Fiber Content

Durability & Performance Tests

- Colour Fastness
- Colour fastness to washing
- Colour Fastness to perspiration
- Colour Fastness to water
- Colour Fastness to chlorinated water
- Colour Fastness to sea water
- Colour Fastness to chlorine & non chlorine bleach
- Colour fastness to saliva
- Colour fastness to rubbing
- Colour fastness to dye transfer in storage
- Colour Fastness to dry heat & Hot pressing
- Instrumental colour assessment (DE*) & Whiteness Index measurement









Durability

- Bursting Strength Tester
- Pilling resistance Pill box
- Pilling resistance Martindale
- Abrasion resistance Martindale
- Dimensional stability to washing
- Spirality
- Appearance after washing
- Smoothness appearance after washing
- Print durability as per UK retailer's methods

Specification tests

- Weight per unit area (gsm)
- Yarn count
- Fabric count
- Stitch length
- Course length

Safety tests

- Mechanical safety of children's clothing as per BS 7907
- Snap & small parts attachment tests as per
 EN71, 16CFR1500, ASTM F963, ASTM D7142 etc..

Performance Tests

- Wicking properties of textiles
- Water absorbency
- Drying Rate











These testing can per performed in many international standards like























Also in retailer's in house methods.





PROCESS FLOW CHART OF THE LABORATORY

SAMPLE REGISTRATION

TESTING

RESULT

Final
Review/Signing
& Delivery

SAMPLE/TRF RECEIPT & REVIEW

GENERATION OF SEQUENCE
NUMBER & FORWARDING
TO TESTING WITH
GENERATED INTERNAL

SAMPLE PREPARATION –
BASED ON THE TEST
METHOD/REQUIREMENT
SPECIMENS ARE PREPARED

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PREPARED SPECIMEN
TESTED AS PER
REQUIREMENT AT SPECIFIC
CONDITIONS

Summarizing the results from different sections and forwarded to result entry

Results are entered then reports are generated as per customer specifications

Final Review is done by technical person & results are authorized

In registration the sample/TRF review is performed & if need clarification. Customer will be contacted for clarifications. If TRF is accepted then forwarded to testing sections if needed subcontracted. Specific attention given for package selection

The sample/internal worksheets for recording the observations are collected by chemists and specimens prepared. After completion of specimen preparation the specimens are tested. Tested specimens and results are reviewed by the senior in-charges then reviewed by technical supervisor. Customer's specifications are added on the observation and forwarded to result entry

Reviewed worksheets are forwarded to result entry. After completion of entry process the entered results are verified by technical person and the results are authorized by authorized signatory of the laboratory.

Completed reports are delivered.

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USEFUL UNIT CONVERSION TABLE

CONVERSION FROM	то	CONVERSION FACTOR (Multiplication)
DISTANCE		
Yard	Meter	0.9144
Feet	Centimeter	30.48
mm	μm	1000
Inch	cm	2.54
MASS		
Ounce	gram	28.34952
Gram	grain	15.43236
Pound	gram	453.5924
Gram	mg	1000
mg	μg	1000
<u>FORCE</u>		
Pound Force	Newton	4.448222
Pound Force	Ounce Force	16
Kilo Newton	Newton	1000
Kilogram Force	Newton	9.80665
Newton	Decanewton	0.1
Centinewton	Newton	0.01
Millinewtons	Newton	0.001
<u>PRESSURE</u>		
Pound Force per sq inch (lbs/inch2) (psi)	Kilo Newton per sq. meter (kPa)	6.89476
Kilo Newton per sq. Meter (kPa)	Pound Force per sq inch (lbs/inch2) (psi)	0.1450377
Kilo Newton per sq. meter (kpa)	Newton/Sq. meter	1000
Kilo Newton per sq. meter (kPa)	Kilogram per sq. cm	0.010193
YARN COUNT		
English Count (Ne)	Tex	590.5 / Ne
English Count (Ne)	Denier	5315 / Ne
Tex	Denier	9
Tex	Decitex	10
FABRIC CONSTRUCTION		
Threads per cm	Threads per inch	2.54
FABRIC MASS		
Grams per Sq. Meter	Ounces Per Sq. Yard	0.0294
MASS CONCENTRATION		
mg/kg (PPM) (mg/l)	μg/kg (μg/l)	1000
Percent (%)	mg/kg	10,000



