Tti Testing Laboratories

Corporate Profile

Over 30 years of excellence in quality assurance

Testing, Inspection, Certification and Sustainability

2026

Independent verification for businesses to compete and comply globally

Tti Testing Laboratories



Head Office — Lahore, Pakistan.

CONTENTS

CEO'S MESSAGE	03
HISTORY	04
INTRODUCTION	06
OUR SERVICES	08
INDUSTRIES WE SERVE	22

Three decades of building trust, advancing science, and shaping compliance in the region.

Since 1995

As international regulations evolved, global trade demanded more than speed & scale and manufacturers faced unprecedented pressure to meet complex, uncompromising compliance standards.

Tti Testing Laboratories emerged to bridge this gap.

As a third-party testing laboratory from the private sector, we introduced independent and science-driven quality verification to supply chains.

Over the years, we engineered a system of traceability, technical excellence, and scientific integrity, giving industries the confidence to meet global standards and trade internationally.

"Quality is often invisible until it is tested.
This year, we wanted to bring that science to the forefront.
Beyond the dates, these pages offer a closer look at the infrastructure and our rigorous standards that protect your brand's reputation every single day."

Hamed K. Lateef



Hamed K. Lateef — CEO

1995

Tti Testing Laboratories

Founded by Hamed K. Lateef

Pakistan's first independent third-party testing and inspection company

1995-2000

Strategic Expansion and Capability Development

Knitwear testing with fastest turnaround time
International recognition and partnership with MTL
Woven and denim testing - Nominated by Levi's Pakistan
Fiber analysis lab with AATCC trained technical team

2003-2007

ISO/IEC 17025 Accreditation
Heavy Metals Testing Leadership

Levi's approved third-party lab in Pakistan
ISO/IEC 17025 accreditation achieved from PNAC
Largest accredited scope in Pakistan covering all segments
Pakistan's first accredited lab for heavy metals testing

2010-2013

Major Regulatory Milestones and Chromatography Lab

CPSIA (16 CFR 1303 and 1610)
OGRA-approved Oil & Gas testing lab
State-of-the-art lab for chemical analysis
Accredited leather testing lab
CPSIA (16 CFR 1501)

30 Years of Evolution

A journey of expanding capabilities, setting benchmarks, and supporting global compliance ecosystems

2014-2017

Global Partnerships
Environmental & Water Testing

Installation of ICP-OES
MoU signing with Eurofins (MTS)
EPA-certified environmental testing
NEXT Retails Limited certified lab

2019-2020

Advanced Analytical Capabilities
Expansion & Diversification

Integration of LC-MS/MS into RSL lab
OGRA testing scope expansion
IAC-accredited Microbiology lab

2021-2022

CE Certification &
Specialized PPE Testing

Accredited lab for bikers' apparel
One-window solution for PPE compliance
Significant reduction in cost and time

2023-2025

Tti Labs Sustainability Center
Specialized Labs & Infrastructure Growth

State-of-the-art food testing lab
Dedicated facility for specialized sustainability services
ICP-MS system for food safety and ZDHC compliance
TMC 2030 Commitment signatory
Pakistan's first IC technology for TOF and PFAS

One of Pakistan's most comprehensive and diversified testing laboratories, serving global brands, regulators, and industries with integrity, technical excellence, and innovation. We continuously evolve to address emerging regulatory, safety, and sustainability challenges in Pakistan and worldwide.

Your trusted quality partner, with the region's largest accredited testing scope

Tti Testing Laboratories is a trusted quality partner to leading global buyers, offering end-to-end TIC solutions.

For exporters, manufacturers, and regulated industries, compliance is market access. We accelerate it for you through independent verification to navigate complex regulations with confidence.

Partnering with Tti Labs means securing your supply chain through an ISO/IEC 17025 accredited authority, trusted by 1500+ global brands.

We eliminate operational bottlenecks by combining advanced analytical infrastructure with the region's fastest turnaround time and an uncompromising sample chain-of-custody.

You get direct access to technical experts who engineer flexible and scalable quality assurance programs, designed around your unique processing lines and variable batch sizes.

25,000 sq. ft.
Purpose-built Facility

Turnaround Time: 3 days
We execute 1,500+ tests and process 600+ samples daily to provide fastest results

Testing
ISO/IEC 17025 Accredited

Inspection
ISO/IEC 17020 Accredited

Certification
CE Marking, ZDHC Compliance

Sustainability
Responsible Supply Chains

Industries We Serve:

Textiles & Apparel | Leather & Footwear | Personal Protective Equipment (PPE)
Food & Agriculture | Pharmaceutical | Petroleum | Chemicals

ISO/IEC 17025 & 17020 Accredited
PNAC Accredited | PSQCA Approved
ZDHC MRSL Certifier | ZDHC Wastewater Lab
U.S. CPSC Accepted Conformity Assessment Body
U.S. IAC Certified Microbiology Laboratory
Microfibre 2030 Signatory

Full-Spectrum Compliance Solutions

Tti Testing Laboratories

Credibility Architecture

Our Vision

To be the global authority in quality and compliance, recognized for scientific rigor, innovation, and exceptional service.

Our Mission

To deliver fast, accurate, and globally accepted results that empower businesses to meet evolving regulatory demands.

INTEGRITY

Built into every stage of our assurance workflow

We report what is true, even when it is inconvenient.

SUPPORT

Risk-based guidance and proactive insights

Ownership at every stage of quality lifecycle.

PRECISION

Repeatability, consistency, and reliability of data ensured

Precision is not a feature; it is our responsibility.

INNOVATION

Data-driven decisions backed by validated methodologies

Continuous R&D for a genuinely future-proof one-stop solution.

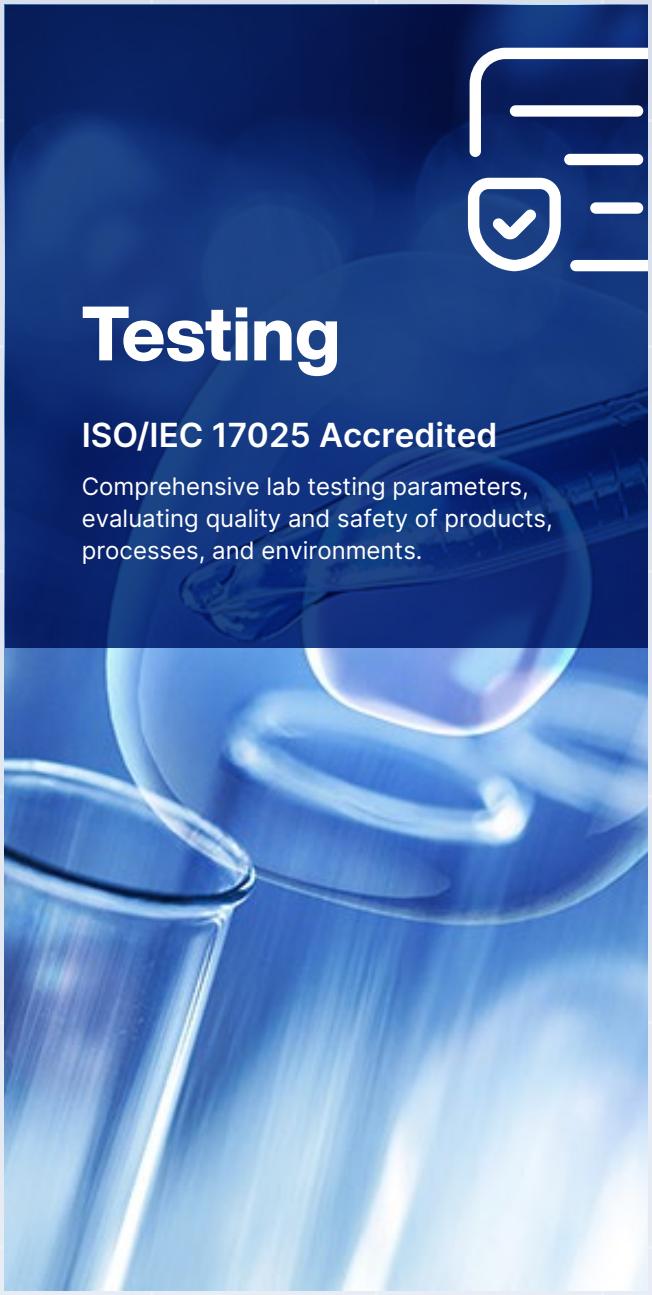
We operate under globally recognized standards, ensuring every result is scientifically valid and internationally accepted.

Our teams include technical specialists who deeply understand materials, processing behaviors, and product performance.

We don't just perform laboratory tests; we explain results, guide clients on technical reasoning, and help them improve their products.

The region's largest accredited testing scope,
covering multiple business segments

Pioneers in Pakistan’s TIC Industry



Testing

ISO/IEC 17025 Accredited

Comprehensive lab testing parameters, evaluating quality and safety of products, processes, and environments.

Inspection

ISO/IEC 17020 Accredited

Independent verification of quality, quantity, and compliance across product development lifecycle.

Certification

CE Marking, ZDHC MRSL & Wastewater

Supporting product certifications required for the international trade, working in alignment with regulatory standards and Notified Bodies.

Sustainability

Responsible Supply Chains

Backed by unparalleled capabilities, we quantify and verify your operational commitments to sustainable impact.





Testing

PNAC-ACCREDITED MULTI-SECTOR TESTING SCOPE

Enabling faster access to global markets through ISO/IEC 17025 accredited analytical testing

Tti Labs supports manufacturers, exporters, and brand owners via defensible data that reduces regulatory risk and helps make confident decisions. Integrating multiple testing disciplines under one coordinated system, we enable faster approvals, streamlined validation cycles, and consistent compliance.

Insights Beyond Reporting

Our specialists analyze results, identify underlying causes, and provide detailed recommendations that support operational clarity and continuous improvement.

Multi-Disciplinary Infrastructure

Our disciplines (chemical, microbiological, mechanical, and environmental) operate within a unified laboratory network, eliminating outsourcing delays and accelerating validation cycles.

Data Consistency at Scale

Structured cross-verification protocols and layered quality controls ensure repeatable performance across operators, programs, and testing environments, so results stay consistent over time.

End-to-End Sample Integrity

Every sample follows a fully traceable workflow supported by secure chain-of-custody controls and disciplined pre-analytical handling, preserving data integrity.

Evaluating quality, safety and environmental impact of your products to meet global benchmarks

Led by experienced analytical scientists, microbiologists, and QA/QC specialists, our laboratories operate within robust quality systems, ensuring every result is traceable, verifiable, and audit-ready.

From internal specifications to brand-specific protocols and global regulatory requirements, our testing programs support product performance, compliance, and fast market access at every stage.

Fast & Affordable Customized Solutions

Risk Reduction: Proactive identification of RSL (PFAS, Azo)

Buyer Confidence: Reports accepted by global retailers and brands

ZDHC

As an approved ZDHC MRSL Certifier and Wastewater Laboratory, we support **Roadmap to Zero Programme**, offering complete solutions for chemical and wastewater compliance.

OCA

OCA-recognized GM Cotton Screening ISO/TS 5354-1 & -2:2024

Organic cotton identification using real-time PCR for high-quality, amplifiable DNA.

Chemical & Analytical Testing

Nutritional & Food Chemistry
Regulatory & RSL Analysis
Instrumental Analysis

Materials Testing

Composition & Identification
Construction Parameters
Authenticity Verification

Physical & Mechanical Testing

Structural Integrity & Strength
Dimensional Stability & Appearance
Child Safety & Mechanical Hazards

Microbiological Testing

Pathogens
Indicator Organisms
Environmental Microbiology

Performance & Functional Testing

Color Performance
Environmental Resistance
Moisture & Surface Performance



U.S. International Antimicrobial Council (IAC) Certified Microbiology & Molecular Laboratory

Controlled lab environments and advanced detection systems across food, pharma, water, and environmental applications.

544 Accredited **Methods**

378 Accredited **Parameters**

3 **days** Turnaround Time

High precision with advanced instrumentation

FTIR, UV/Vis, ICP-OES, ICP-MS, GC/MS, HS-GC/MS
GC EI/CI, GC/FID, LC-MS/MS, Single Quads, Triple Quads
HPLC (UV/Vis, DAD, MS/MS), ELISA Kits

Proprietary Methods

Complex Matrix and Advanced Multi-Instrument Expertise

Practice of designing, optimizing, and validating analytical approaches to resolve complex scenarios.



With advanced analytical infrastructure and innovative technologies,
we provide fast, accurate, and reliable results

Leading with Speed, Precision & Value



Inspection

PSQCA REGD. ISO/IEC 17020 ACCREDITED INSPECTION BODY

Independent inspection solutions for QC, risk reduction, and trade confidence

We offer comprehensive coverage across industries evaluating materials, processes, and finished goods against international standards and buyer specifications, delivering detailed, decision-ready reports that highlight critical risks and compliance gaps.

Food & Agriculture

Fresh Produce (Pre- & Post-Harvest), Processing & Packing Facilities, Grains & Bulk Commodities, Cold Chain & Storage, Meat & Poultry Handling, Dairy Processing, Edible Oil Production, Export Consignments

Softlines

Textiles & Raw Materials (Cotton Bales, Yarn, Fabric, Denim)
Apparel & Clothing (Uniforms, Workwear, Sportswear, Caps, Socks)
Home & Living Textiles (Beddings, Towels, Bathrobe, Sleeping Bags)
PPEs (Garments, Face Masks, Gloves, Safety Footwear)
Leather & Leather Products, Footwear
Sports & Recreation (Balls, Boxing Gloves)
Consumer Goods, Tissue Paper

Hardlines

Ceramics, Furniture, Tent, Accessories

Structured services to detect non-conformities, maintain consistency during production, and ensure that final products meet customer specifications, regulatory requirements, and market expectations.

From raw material evaluation to shipment readiness, we deliver actionable insights that help reduce risk, improve supplier performance, and protect brand integrity.



Sample Evaluation & Product Review

We assess pre-production samples and product prototypes against specifications, materials, and functional requirements. Buyer expectations are aligned before bulk production, reducing risks and costly revisions.



Post-delivery Inspection Support

We provide independent evaluation of delivered goods in case of disputes, complaints, or quality concerns.



Defect Analysis & Root Cause Investigation

Our technical teams identify recurring defects and trace them back to process, material, or workmanship issues. This enables corrective actions at source and improves consistency and long-term production quality.



Product Labeling Compliance

We verify labeling, marking, and packaging details against regulatory and buyer requirements to ensure products meet compliance standards and avoid any rejections.

Softlines Inspection Stages

Structured and customized quality control to ensure consistency, compliance, and traceability

1. Sample Picking (SP)
2. Pre-Production Inspection (PPI)
3. Initial Production Inspection (IPI)
4. During Production Inspection (DUPRO)
5. Pre-Final Inspection (PFI)
6. Pre-Shipment Inspection (PSI)
7. Full Check Inspection (FC)
8. Loading Supervision (LS)

Technical Audits

Independent audits to evaluate systems, processes and operational integrity

Factory Quality Assessment
Laboratory Technical Audit
Mystery Shopping Audit
Traceability Audit



Certification

OPENING DOORS TO INTERNATIONAL MARKETS

Building trust through recognized chemical conformance and internationally aligned regulatory support services

ZDHC MRSL conformance certification (level 1 & 2) and third-party facilitation for CE marking, in coordination with recognized Notified Bodies.

ZDHC MRSL Certification

Level 1 & 2

Supporting Roadmap to Zero™

Chemical conformance certification for chemical formulators across Textiles, Leather, Polymers, and Synthetics, based on analytical testing, screening and review of the Safety Data Sheet (SDS)

Testing Segments

All Dyes: Reactive, Disperse, Direct, Vat, Acid, Basic and Specialty Dyes
Chemical Auxiliaries: Surfactants, Detergents, Finishing Agents, Softeners, Lubricants
Textiles & Apparel: Manufacturing Chemicals
Leather Industry Chemicals: Tanning, Finishing, Waterproofing, Coatings
Polymers & Synthetics: Auxiliaries used in Plastics, Coatings, and Man-made Fibres

CE / UKCA Certification Support
Third-party facilitation via global partners

To place PPE products on the European market, manufacturers must demonstrate compliance with Regulation (EU) 2016/425 and obtain certification through an authorized Notified Body.

The CE marking confirms that the product meets essential health and safety requirements defined under the EU PPE Regulation and is permitted for sale across the European Economic Area (EEA).

Technical Expertise

Our specialists possess extensive experience in PPE standards, regulatory frameworks, and performance requirements. They assist in identifying the correct testing protocols, interpreting results, and addressing compliance gaps.

We support manufacturers through the CE certification process by providing accredited laboratory testing, regulatory interpretation, technical file preparation, and coordination with Notified Bodies.

Tti Labs works in close coordination with several EU Notified Bodies for PPE. Our test reports and technical evaluations are relied upon during conformity assessment procedures.

We provide facilitation for CE/UKCA marking across these categories for gloves, clothing, and footwear.

OH&S | Motorcycle Riders | Healthcare Professionals

Roadmap to CE Certification



Sustainability

PAKISTAN'S MOST ADVANCED SUSTAINABILITY AND ENVIRONMENTAL COMPLIANCE SOLUTIONS



Strengthening the link between industry, innovation, and measurable sustainability across value chains

Tti Labs Sustainability Center offers a comprehensive range of end-to-end sustainability solutions from emission quantification and circular material testing to ESG reporting and regulatory compliance, representing a strategic pathway to achieving sustainability excellence.

- **Tailored Solutions:**
  Customized sustainability strategies aligned with client goals
- **Independent Assurance:**
  Verified, transparent, and globally credible data
- **Long-Term Support:**
  Retainer-based partnerships for ongoing ESG requirements
- **Direct Client Handling:**
  Seamless coordination across corporate and supply chain levels
- **Integrated Expertise:**
  One-stop partner offering analytical testing with strategic consulting

Enabling organizations to integrate sustainability into business operations through data-driven insights

Climate, Carbon & ESG Strategy

Climate & Carbon Accounting

Establish measurable baselines and take the critical step toward climate leadership

We help businesses quantify, verify, and reduce emissions, build credible decarbonization pathways, and align with the Paris Agreement and UNFCCC Article 6 mechanisms.

- GHG Inventory Management (Scope 1, 2 & 3)
- SBTi-aligned Net Zero Strategies
- Customized Dashboards (Real-time Data Sets)
- Carbon Credit Assessment, Quantification and Roadmap Development

Circular Economy

Helping you shift from a take-make-waste approach to a regenerative model through advanced waste recovery and recycling assessments, material testing, and Life Cycle Assessment (LCA).

ESG Reporting & Disclosure

We help organizations align their sustainability reporting with GRI, CSRD, IFRS S1/S2, and ESRS standards through materiality assessments, stakeholder mapping, double materiality analysis and risk assessment.

Responsible Supply Chains

Reduce non-compliance risk, promote usage of sustainable materials, and achieve readiness for EU DPP

We help organizations build transparent, ethical, and resilient supply chains through these services:

- Supplier Mapping & Traceability
- Supply Chain Due Diligence
- Material Screening & Compliance
- ESG Audits & Action Plans
- Responsible Sourcing
- Supplier Capacity Building
- Training Programs

Advanced Analytical Testing

Aligned with leading frameworks:
REACH, AFIRM, OEKO-TEX, GOTS, ZDHC, CPSC, and Prop 65

Complete analysis of dyes, coatings, plastics, and textiles for restricted substances including heavy metals, APEOs, VOCs, PFAS, and phthalates.

Supporting innovation, circular product design, and eco-material verification via physical and mechanical testing, advanced polymer and textiles testing, R&D, and accelerated ageing & UV resistance studies.



Build brand integrity through verified organic supply chains and soil health transparency

We perform these special tests to ensure traceability, sustainability, and regenerative sourcing, aligned with EU and other global organic regulations.

Our services include:

- GMO Testing
- Soil Carbon Check
- Pesticide Residue Testing
- Microbial Soil Quality Audits

Sustainable Agriculture

Tti Testing Laboratories

Punjab EPA–recognized laboratory with largest scope in environmental testing

Environmental Compliance

Industrial Compliance

Ensure factory compliance, safeguard worker health, and meet environmental standards

Helping businesses maintain industrial compliance under Pakistan EPA regulations and achieve sustainable manufacturing certifications.

- Air Quality Monitoring (Ambient, Stack, Indoor)
- Occupational Health & Safety Audits
- Chemical Exposure Assessment
- EIA/NOC Support

ZDHC Wastewater V2.2

Maintain ZDHC Gateway credibility, and achieve water stewardship excellence

Supporting **Roadmap to Zero™**, by ensuring responsible water reuse, recycling, and traceability.

- Wastewater Testing
- Effluent & Sludge Analysis
- Microplastic & PFAS Detection
- Zero Liquid Discharge Verification
- ETP/CETP Performance Testing

EPA-approved
Emission Monitoring Truck



Ambient Air Quality Monitoring
Monitoring PM2.5, PM10, SO_2, NO_x, CO and O_3

Industrial Stack Emission Testing
Sampling/analysis of industrial gaseous emissions

On-Site Pollution Measurement
Pollutant concentrations/parameters

Regulatory Compliance Assessment
Against applicable PEQS

Comprehensive coverage of textiles value chain

From fiber to finished garment, we support brands, manufacturers, and exporters with accredited testing, compliance, and sustainability solutions that are aligned with global regulations.

Fibers & Yarns
Technical Textiles | Home Textiles | Medical Textiles
Apparel | Fashion & Garment Accessories
Sports Goods & Gears

Textiles Testing Services

Aligned with global standards and regulatory frameworks
ISO • EN • ASTM • AATCC • DIN • AS/NZS • BS • SASO • GB • KS

Mechanical Performance
Dimensional Stability & Appearance
Child Safety & Regulatory Compliance
Color Fastness
Fiber & Functional Performance
Safety Assessment

Approved by 40+ brands

Levi's · GAP · Next · Fanatics · Carhartt · ASDA · DeFacto
KiK Textil-Diskont · Williams Sonoma · Majid Al Futtaim
Tally Weijl · HEMA · J. Junaid Jamshed · TCC · F&F

Levi's Quality Partner
Since 1998

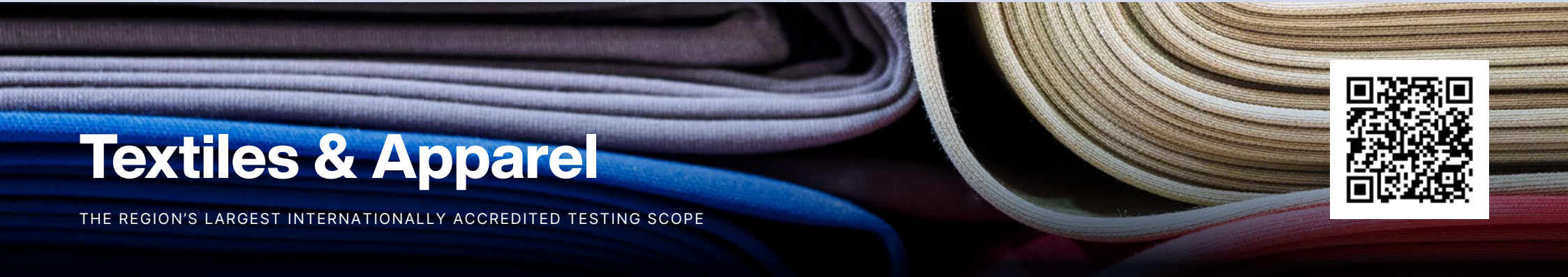
OCA-recognized GM Cotton Screening
ISO/TS 5354-1 & -2:2024

Pakistan's first third-party testing laboratory
accepted by U.S. CPSC for lead and flammability testing

(LAB ID 1168)

Pakistan's first independent inspection body
with ISO/IEC 17020 accredited scope for Textiles & Apparel

(TTI INSPECTIONS, PNAC IB-006)



Textiles & Apparel

THE REGION'S LARGEST INTERNATIONALLY ACCREDITED TESTING SCOPE

Securing your gateway to global markets

Supporting Pakistan's thriving leather and footwear industry since 2012 by providing end-to-end compliance solutions for manufacturers and exporters, ensuring product quality, safety, and performance to meet stringent regulatory requirements.

Leather Apparel & Accessories
Commercial Leather Furnishings
Casual & Fashion Footwear

Leather & Footwear Testing

Aligned with global standards and industry-specific requirements
EN • ISO • AATCC • ASTM • SATRA • IULTCS • CE Mark • ZDHC • AFIRM RSL

Physical & Mechanical
Colorfastness
Chemical Analysis
Restricted Substances

PFAS Screening:
First TOF screening facility in Pakistan — using CIC technology

CE/UKCA Marking

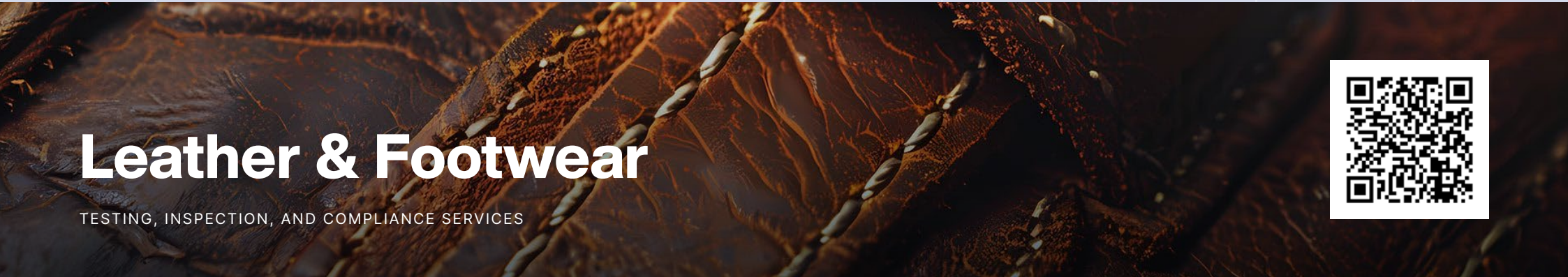
Complete technical support and third-party facilitation via global partners

Genuine Leather Verification
Microscopic & Structural analysis, FTIR Identification

Chromium(VI) Screening
IC (EN ISO 17075-2:2017), Colorimetric (ISO 17075-1:2017)

Formaldehyde Testing
HPLC (ISO 17226-1:2021), Colorimetric (ISO 17226-2:2018)

Heavy Metals Testing
ICP / FAAS (ISO 17072-1:2019, ISO 17072-2:2022)



Leather & Footwear

TESTING, INSPECTION, AND COMPLIANCE SERVICES

One-stop solution for the PPE market

We operate a dedicated PPE testing facility built for high-precision evaluations and fast decision-making. With deep inspection knowledge and among the region's fastest turnaround times, we support complete compliance pathways, from lab testing to CE marking readiness.

Protective Apparel for OH&S
Protective Apparel for Motorcycle Riders
PPE for Healthcare Professionals

CE/UKCA Marking

Complete technical support and third-party facilitation via global partners

Protective Apparel for OH&S

EN ISO 21420:2020+A1:2024 | ANSI/ISEA 105-2024
EN 388:2016+A1:2018 | EN 511:2006 | EN 12477:2001+A1:2005
EN 659:2003+A1:2008 | EN 407:2020

EN ISO 13688:2013+A1:2021
EN 14325:2018+A1:2024 | EN 13034:2005+A1:2009
EN ISO 11611:2024 | EN ISO 11612:2015 | EN 469:2020
EN ISO 20471:2013+A1:2016 | EN 17353:2020+A1:2025 | ANSI/ISEA 107-2020

EN ISO 20345:2021+A1:2024 | EN ISO 20346:2021+A1:2024 | EN ISO 20347:2021+A1:2024

SPECIALIZED TESTING

Protective Apparel for Motorcycle Riders

EN 13594:2015 | EN 17092 Series | EN 13634:2017

Protective Apparel for Healthcare Professionals

EN ISO 21420:2020 | EN 455 Series | EN ISO 374 (Part 1-6)
ASTM D3577 | ASTM D6319 | ASTM D6978

EN 13795-1 and -2:2025 | EN 13034:2005+A1:2009
ASTM F2407 | ASTM F3352 | AAMI PB 70

EN 14683:2025 | ASTM F2100



Personal Protective Equipment

SPECIALIZED PPE CENTER

Scientific confidence for food safety

From farm-level inputs to final retail packaging, we deliver defensible data that protects public health, safeguards your brand reputation, and engineers seamless access to regulated markets.

Plant-based Sample Matrix
Fruits & Vegetables, Herbal & Natural Products, Grains, Bakery & Confectionery

Animal-based Products | Infant Formula | Soil & Agriculture Products

Food Testing & Inspection

BRCGS • FSSC 22000 • SQF • IFS • ISO 22000 • ISO 14001 • FDA • EU HACCP • GMP • GLOBALG.A.P. • HALAL

Food Microbiology & Pathogen Testing
Food Safety & Contaminant Testing
Nutritional Analysis & Label Compliance
Pesticides & Agricultural Contaminants
Stability & Shelf-Life Studies
Food Packaging Safety

CERTIFICATION SUPPORT

BRCGS, FSSC 22000, GLOBALG.A.P.

Audit-ready analytical data and robust inspection frameworks to achieve and maintain global food safety certifications

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SPECIAL PACKAGES

Rice Testing Services

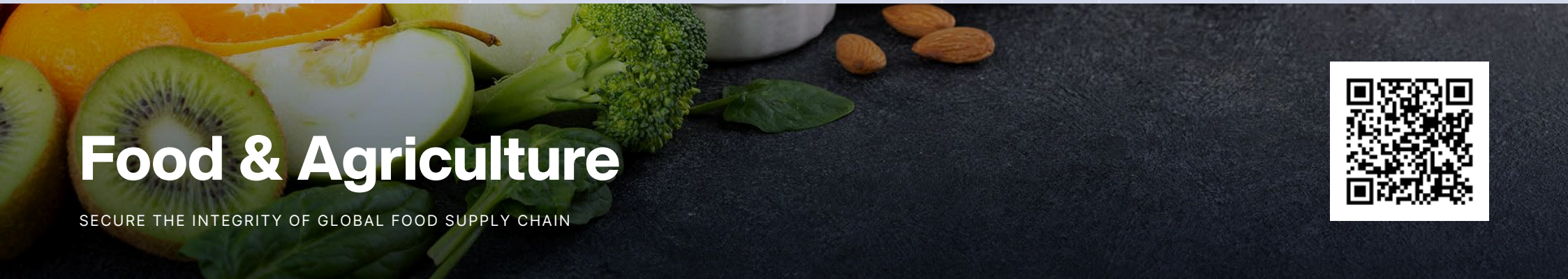
Meeting pesticide residue testing requirements in line with EU, UK, US, SFDA, Codex, and Gulf MRL standards

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Pakistan's first third-party microbiology laboratory certified by U.S. IAC for ISO class 5 & 7

BAM-FDA, ISO, APHA, EPA

Approved by Punjab, Khyber Pakhtunkhwa, and Balochistan food authorities for a wide range of parameters



Food & Agriculture

SECURE THE INTEGRITY OF GLOBAL FOOD SUPPLY CHAIN

Large PNAC accredited testing scope

Supporting pharmaceutical quality in highly regulated environments through testing aligned with global frameworks, using methodologies based on USP, BP, Ph. Eur., and ISO standards.

Raw Material, APIs, Finished and R&D Products
Cosmetics, Dermatological and Skincare Products
Herbal Extracts and Nutraceutical Raw Material
Surgical Instruments and Medical Devices

Pharmaceutical Testing

Our analytical capabilities combine advanced instrumentation with validated methodologies to deliver precise, reproducible, and audit-ready results aligned with global pharmacopeial and regulatory standards.

API & Product Assay
Pharmaceutical Microbiological Testing
Impurities & Contaminant Testing
Method Development & Validation
Packaging & Container Compatibility

Nutraceutical Testing

Raw Material, Dietary Supplements, Herbal Extracts
Essential Oils, Shilajit

Cosmeceutical Testing

Helping brands turn formulations into trusted beauty staples and achieve compliance with:

EU Cosmetics Regulation | FDA Cosmetics Requirements
REACH | ASEAN Cosmetic Directive | Cosmetics GMP
IFRA Standards | DRAP

NDMA / NDEA Determination

Ultra-sensitive quantification achieving an MDL of 0.05 ppm using GC-MS/HS & LC-MS/MS

DEG / EG Determination

Detecting <0.1% limit using GC-FID, in accordance with applicable USP–NF monograph requirements



Pharmaceutical

NUTRACEUTICAL | COSMECEUTICAL | SURGICAL & MEDICAL DEVICES

OGRA approved third-party quality laboratory

We help petroleum businesses verify fuel quality, operational safety, and regulatory compliance. From refinery to consumption, we deliver the confidence to keep energy moving efficiently.

Fuels & Distillates
Lubricants & Greases
Transformer & Switchgear Oils
Base Oils & Heavy Fuels

Petroleum Testing

Trusted by producers, manufacturers, distributors, and industrial users for precise evaluations across fuels, lubricants, transformer oils, and heavy distillates. Our advanced testing capabilities ensure product integrity, performance consistency, and compliance.

Quality, Safety, and Combustion Evaluation
Advanced Lab Diagnostics
Composition & Stability Verification
Oil Condition Monitoring

Pakistan's first PSQCA-registered inspection body to get ISO/IEC 17020 accredited scope

Pakistan’s largest registered scope for energy and non-energy petroleum testing



Petroleum

PAKISTAN'S LARGEST TESTING SCOPE IN OIL & GAS INDUSTRY

Textiles & Apparel

Raw Fibers & Yarns
Woven/Non-woven Fabrics
Technical/Industrial Textiles
Casual & Formal Apparel
Garment Accessories
Fashion Accessories

Leather & Footwear

Raw Hide
Leather Footwear
Leather Apparel
Leather Upholstery
Luxury & Designer Goods
Industrial Furnishings

PPE

OH&S PPE
Motorcycle Riders PPE
Healthcare PPE
Industrial Workwear
Gloves & Garments
Safety Footwear

Dyes & Chemicals

Pretreatment Chemicals
Dyeing / Finishing Agents
Detergents / Cleaners
Industrial Chemicals
Biocidal Products

Food & Agri

Natural Products
Water & Other Liquids
Dairy & Animal-based
Bakery & Confectionery
Agriculture Products

Pharmaceutical

Nutraceutical
Cosmetics & Personal Care
Herbal & Natural
Healthcare Environments
Medical & Surgical Devices

Petroleum

Fuels & Middle Distillates
Lubricating Oils & Greases
Transformer Oils
Base & Heavy Oils
Oil Condition Monitoring

Sustainability

Environmental Compliance
Supply-chain Due Diligence
Sustainable Agriculture
Sustainable Chemistry
Climate & Carbon Accounting
ESG Reporting & Disclosure
Circular Economy

Special Services

ZDHC MRSL Certification
ZDHC Wastewater Testing
PFAS & Cr(VI) Screening
GM Cotton Screening

111 786 001

Confidence, Verified.

Tti Testing Laboratories

www.ttilabs.net / 111 786 001

ISO/IEC 17025 Accredited Testing Laboratory | ISO/IEC 17020 Accredited Inspection Body

U.S. IAC Certified Microbiology Laboratory | U.S. CPSC Accepted Conformity Assessment Body
PNAC Accredited | PSQCA Approved | OGRA Approved | EPA Certified

ROADMAP TO ZERO — ZDHC MRSL Certifier & Wastewater Lab

WFP — World Food Programme Partner Laboratory

The Microfibre Consortium 2030 Commitment Signatory

Lahore (Head Office)
347-S Quaid-e-Azam
Industrial Estate, Kot Lakhpat,
Lahore-54770, Pakistan.
(92-42) 111 786 001

Karachi
3rd Floor, Plot No. 7c, Sunset
Commercial St. No. 1, Phase
4 DHA, Karachi-75500
(92-21) 111 786 001

Faisalabad
Office # 145, 1st Floor Centre
Point Plaza, Jaranwala Road
Faisalabad-38000
(041) 8733001

Sialkot
Opposite Mag Town Masjid
Kashmir Road, Sialkot-51310
(052) 3573367