

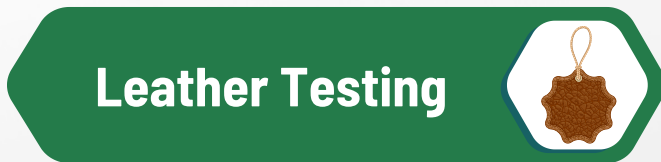


QUALITY TESTING & RESEARCH LAB

An ISO:45001:2018, ISO: 14001:2015, ISO:
9001:2015 Certified Laboratory



Textile Testing



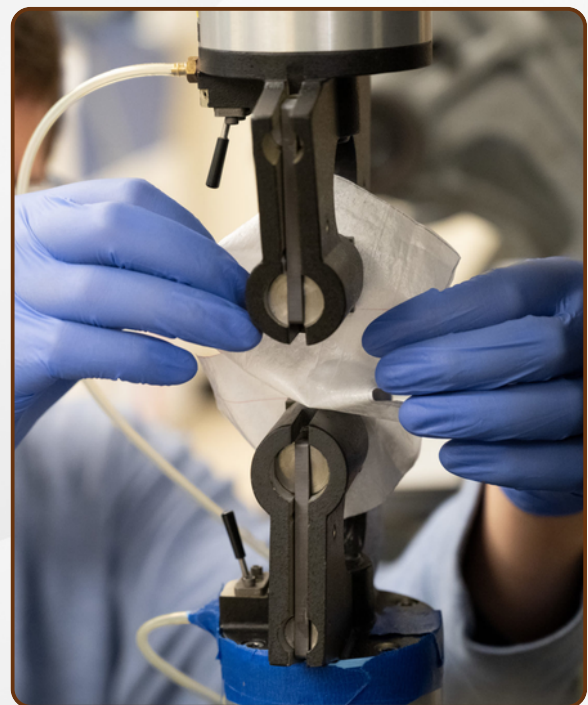
Leather Testing



Footwear Testing



Toy Testing



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ABOUT US



Welcome to Quality Testing & Research Laboratory, located in Ghaziabad, UP, India. We are a leading testing laboratory committed to providing high-quality testing services to our clients across various industries.

Our laboratory is equipped with state-of-the-art testing equipment and facilities that enable us to conduct a wide range of tests on textiles, leather, toys, and footwear products. We employ a team of highly trained and experienced professionals

who are well-versed in industry standards and testing protocols. Our team is dedicated to delivering accurate and reliable results to our clients in a timely and efficient manner.

At our laboratory, we understand the importance of quality and safety in the products that we test. Our testing services help ensure that the products that our clients make are safe, reliable, and comply with industry standards and regulations.

Our laboratory is accredited by various national and international accreditation bodies, including BIS, ISO:45001:2018, ISO: 14001:2015, and ISO: 9001:2015 among others. Whether you are a manufacturer, importer, exporter or retailer, you can rely on our laboratory to provide accurate and reliable testing services for your textile, leather, toys, and footwear products. Contact us today to learn more about our testing services and how we can help ensure the quality and safety of your products.



FROM MANAGING DIRECTOR'S DESK



On behalf of Quality Testing & Research Lab, I am delighted to extend a warm welcome to our laboratory. Our laboratory has risen to prominence as a leading testing services facility in India. For over two decades, we have consistently delivered top-tier testing services, enabling our clients to meet regulatory and quality standards while ensuring the safety and effectiveness of their products.

With an unwavering dedication to excellence, precision, and compliance, we offer swift, dependable, and cost-effective testing solutions to support our clients' quality and safety objectives. At Quality Testing & Research Lab, our primary focus is on assisting our clients in achieving their business objectives through tailored testing and research solutions, with the aim of establishing enduring partnerships and serving as their trusted advisors for all their testing and research needs.

Hence, your valuable suggestions are solicited.

Sincerely,

Alok Chaurasia
Managing Director
Quality Testing & Research Lab Pvt. Ltd.
Contact: info@qtrllab.org



VISION & MISSION



Our vision is to be a global leader in testing and research services, setting the standard for quality, precision, and innovation in our industry. We aspire to drive positive change by helping clients meet and exceed regulatory and quality requirements, thereby contributing to a safer and healthier world.

Our mission is to provide unparalleled testing and research solutions that empower our clients to thrive in an ever-evolving business environment. We are committed to deliver results that are accurate, timely, and cost-effective while maintaining the highest levels of integrity and professionalism. Our goal is to foster enduring partnerships and serve as trusted advisors, enabling our clients to achieve their safety and quality objectives.



OUR CERTIFICATES & APPROVALS



OUR ESTEEMED CLIENTS



TEXTILE TESTING



Textile quality testing services are essential for ensuring the quality and safety of textile products. Textiles are used in a wide range of products, including clothing, bedding, and upholstery, and are often in contact with our skin. It is, therefore, critical that textiles meet strict quality standards and are free from harmful substances.

Our textile testing services help identify any potential quality issues in textiles, such as color fastness, shrinkage, and durability. These tests also ensure that the textiles meet regulatory requirements and comply with industry standards. Testing can be conducted at different stages of the production process, from the raw materials to the finished product.

There are various types of textile testing services, including physical testing, chemical testing, and performance testing. Physical testing involves evaluating the physical properties of the textile, such as its weight, thickness, and strength. Chemical testing identifies any harmful substances in the textile, such as heavy metals, formaldehyde, and flame retardants. Performance testing evaluates how the textile performs in different conditions, such as its resistance to water or sunlight.

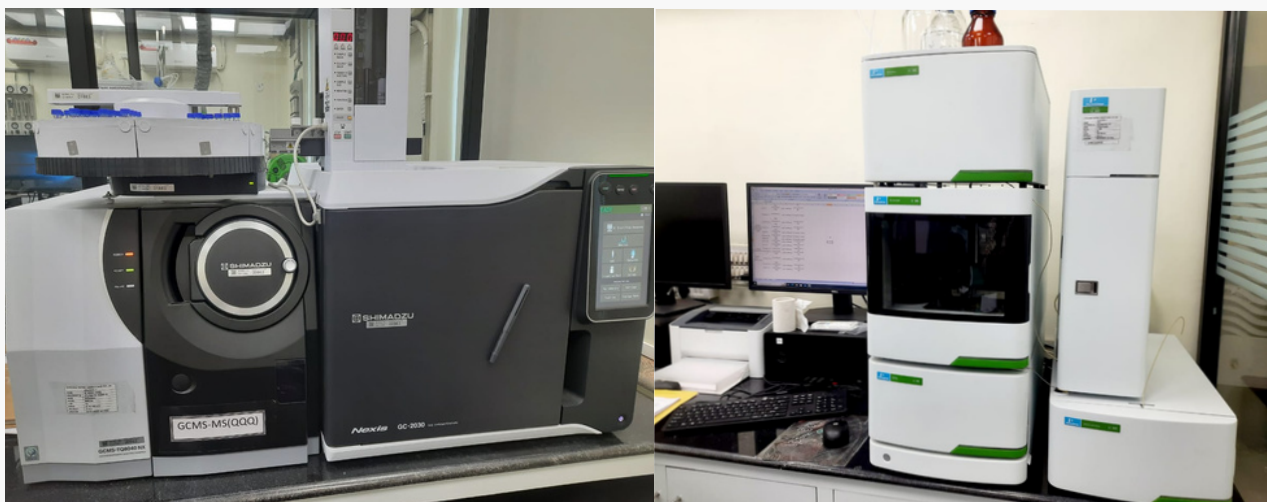


PHYSICAL TESTING IN TEXTILES



- **Tensile Strength Testing in Textiles:** Measures the maximum force a textile can withstand before it breaks or stretches too far.
- **Tear Strength Testing in Textiles:** Evaluates a textile's resistance to tearing, which is crucial for applications like clothing and upholstery.
- **Seam Strength Testing in Textiles:** Determines the strength of seams, which can be weak points in textile products.
- **Burst Strength Testing in Textiles:** Determines the maximum amount of pressure a textile can withstand before bursting, important for applications like airbags and outdoor gear.
- **Abrasion Resistance Testing in Textiles:** Evaluates how well a textile resists wear and tear caused by rubbing or scraping against other surfaces.
- **Pilling Resistance Testing in Textiles:** Measures a textile's tendency to form small balls or fuzz on its surface, which can be unsightly and reduce durability.
- **Wrinkle Resistance Testing in Textiles:** Evaluates how well a textile resists wrinkling, important for applications like clothing and bedding.
- **Stiffness Testing in Textiles:** Measures a textile's resistance to bending or deformation, which can affect its drape and comfort.
- **Flexibility Testing in Textiles:** Evaluates how easily a textile can bend or flex, important for applications like clothing and upholstery.
- **Dimensional Stability Testing in Textiles:** Measures how much a textile changes in size or shape when subjected to various conditions, such as washing and drying.

CHEMICAL TESTING IN TEXTILES



- **pH Value Testing in Textiles:** Determines the acidity or alkalinity of a textile, which can affect its durability and comfort.
- **Colorfastness to Washing Testing in Textiles:** Evaluates how well a textile's color resists fading or bleeding during washing.
- **Colorfastness to Light Testing in Textiles:** Measures a textile's resistance to fading when exposed to light, important for outdoor applications and furnishings.
- **Colorfastness to Perspiration Testing in Textiles:** Evaluates how well a textile's color resists fading or bleeding when exposed to perspiration.
- **Colorfastness to Rubbing Testing in Textiles:** Determines how well a textile's color resists rubbing or abrasion, which can cause fading or transfer to other surfaces.
- **Flammability Testing in Textiles:** Determines a textile's reaction to fire, important for safety applications.
- **Water Repellency Testing in Textiles:** Evaluates how well a textile resists penetration by water, important for outdoor and waterproof applications.
- **Stain Resistance Testing in Textiles:** Measures a textile's resistance to staining, important for applications like upholstery and carpeting.

WE PERFORM TESTING ON A WIDE RANGE OF TEXTILE PRODUCTS



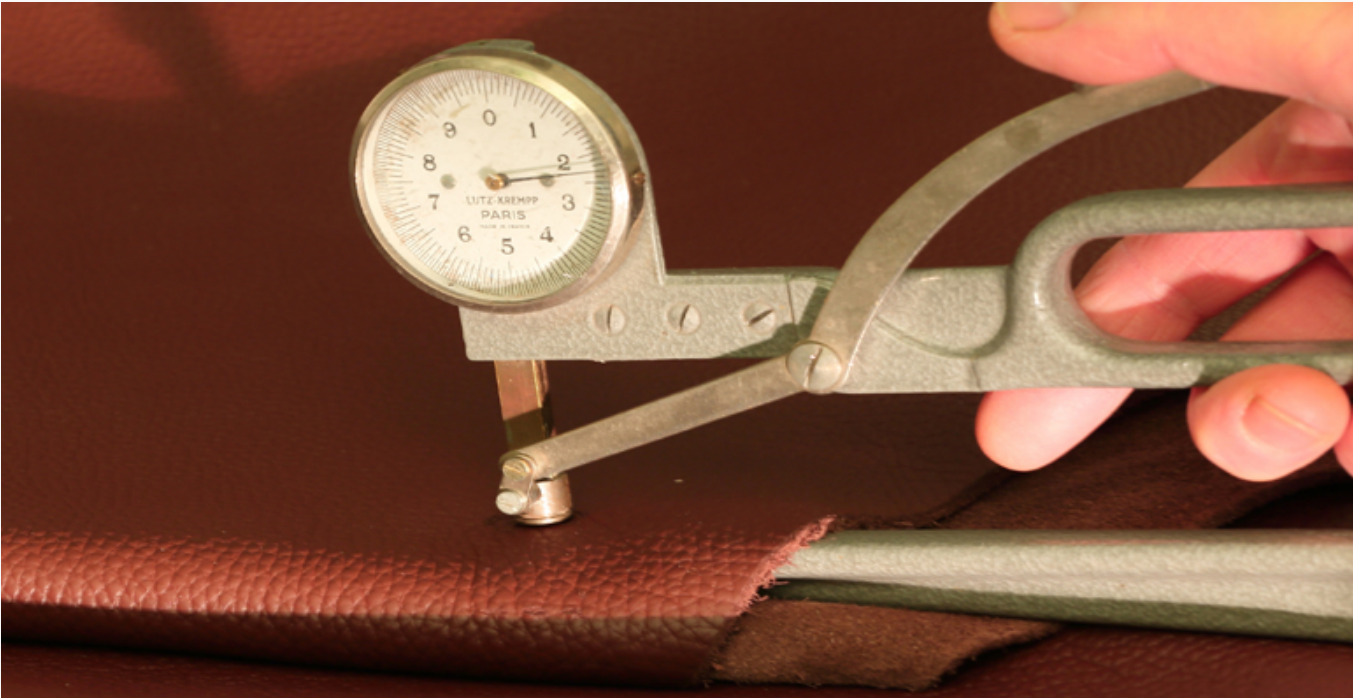
- Clothing (shirts, pants, dresses, etc.)
- Bedding (sheets, pillowcases, blankets, etc.)
- Towels (bath towels, hand towels, washcloths, etc.)
- Curtains and Drapes
- Upholstery (sofas, chairs, etc.)
- Tablecloths and Napkins
- Rugs and Carpets



- Industrial Textiles (tarps, tents, etc.)
- Medical Textiles (gowns, masks, etc.)
- Sports Textiles (swimwear, athletic apparel, etc.)
- Accessories (scarves, hats, gloves, etc.)
- Luggage and Bags
- Home Décor (cushions, throw pillows, etc.)
- Flags and Banners
- Automotive Textiles (car seats, seat belts, etc.)



LEATHER TESTING



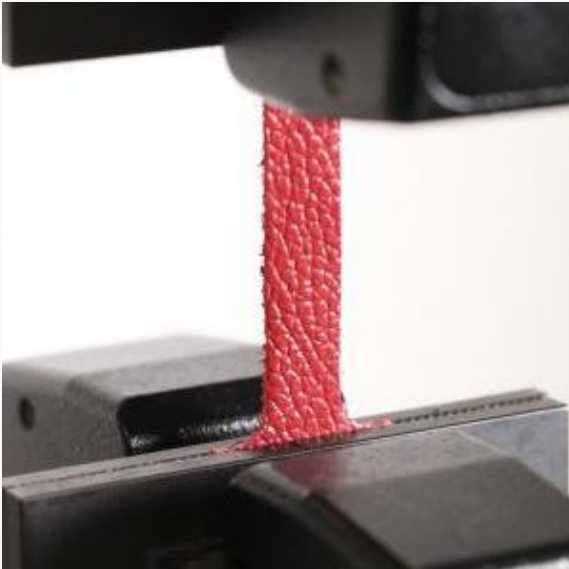
In our testing lab, we offer a wide array of leather testing services to guarantee leather products meet stringent quality and safety standards. We understand the significance of leather quality and safety, aiding manufacturers and retailers in upholding top-tier standards.

Our services encompass physical, chemical, and performance tests, employing cutting-edge equipment for precise assessment. Physical tests include tensile strength, tear resistance, flexing endurance, and colorfastness. Chemical tests verify leather products' absence of harmful substances like chromium VI, formaldehyde, and heavy metals.

We also evaluate performance parameters like abrasion resistance, water resistance, and breathability to ensure leather products meet their intended usage expectations. Our skilled technicians collaborate with clients to tailor testing protocol for their specific needs, delivering rapid, accurate results, and top-notch customer service. With our comprehensive leather testing, we provide assurance of safe, high-quality leather products, benefiting both manufacturers and consumers.



PHYSICAL TESTING IN LEATHER



- **Tensile Strength Testing**: Measures the leather's resistance to breaking or tearing under tension.
- **Tear Resistance Testing**: Determines the force required to tear a leather sample.
- **Flexing Endurance Testing**: Measures the leather's ability to withstand repeated bending and flexing.
- **Abrasion Resistance Testing**: Determines the leather's resistance to wear and tear caused by rubbing or friction.
- **Water Resistance Testing**: Measures how well the leather repels water and resists water absorption.
- **Dimensional Stability Testing**: Determines the leather's ability to maintain its shape and size after exposure to moisture or heat.
- **Flammability Testing**: Determines how easily the leather ignites and how quickly the flame spreads.
- **Heat Resistance Testing**: Determines the leather's ability to resist heat, which is important for products that may be exposed to high temperatures.
- **Stitch Tear Strength Testing**: Determines the strength of the stitching on leather products.
- **Seam Strength Testing**: Measures the strength of the seams in leather products.

CHEMICAL TESTING IN LEATHER



- **Lightfastness Testing**: Measures the leather's resistance to fading or discoloration caused by exposure to light.
- **Chemical Resistance Testing**: Determines the leather's resistance to chemicals such as oils, acids, and solvents.
- **Odour Testing**: Determines the presence of any unpleasant odors in the leather, which can be caused by chemicals or other factors.
- **Colorfastness Testing**: Determines the leather's resistance to fading or discoloration caused by exposure to light or other factors.
- **pH Testing**: Determines the acidity or alkalinity of the leather.
- **Formaldehyde Testing**: Determines the presence of formaldehyde, a harmful substance that can cause skin irritation.
- **Chromium VI Testing**: Determines the presence of hexavalent chromium, a harmful substance that can cause skin allergies and cancer.
- **Heavy Metal Testing**: Determines the presence of heavy metals such as lead and cadmium, which can be harmful to human health.

WE PERFORM TESTING ON A WIDE RANGE OF LEATHER PRODUCTS



- Shoes (casual shoes, dress shoes, boots, sandals, etc.)
- Bags and Purses (handbags, backpacks, wallets, etc.)
- Jackets and Coats
- Belts
- Watchbands
- Upholstery (sofas, chairs, etc.)
- Car Seats and Interiors



- Gloves
- Hats
- Luggage and Briefcases
- Sporting Goods (baseball gloves, footballs, etc.)
- Dog Collars and Leashes
- Wallets
- Keychains and Lanyards
- Phone Cases



FOOTWEAR TESTING



Our testing laboratory offers a comprehensive range of services tailored to the diverse requirements of the footwear industry. Drawing from a wealth of international standards, we conduct rigorous testing on a wide array of footwear products, including leather safety boots, canvas shoes, protective rubber canvas boots, and more. Our testing covers all physical and chemical parameters, ensuring that footwear meets stringent quality and safety standards for different sectors, from heavy metal industries to sports and municipal scavenging work.

With a dedicated focus on slip resistance, material strength, comfort, and chemical composition, our laboratory plays a vital role in verifying that footwear products align with industry regulations and safety expectations. Whether it's assessing the durability of leather safety boots or the performance of sports footwear, we provide precise and reliable testing services to enhance the quality and safety of footwear across various domains.

At our testing laboratory, we are deeply committed to delivering precise and reliable testing services for footwear. Our team of experienced technicians utilizes the latest technologies and methods to ensure that all tests are carried out to the most stringent standards.



TESTING IN FOOTWEAR PRODUCTS



- **Leather Safety Boots and Shoes For Minors:** IS: 1989 (P 1):1986: 2021, Testing All Physical & Chemical Parameters
- **Leather Safety Boots and Shoes For Heavy Metal Industries:** IS 1989 (P2):1986, Testing All Physical & Chemical Parameters
- **Canvas Shoes Rubber Sole:** IS 3735:1996, Testing All Physical & Chemical Parameters
- **Canvas Shoes Rubber Sole:** IS 3736:1995, Testing All Physical & Chemical Parameters
- **Protective Rubber Canvas Boots For Minors:** IS 3976:2003, Testing All Physical & Chemical Parameters
- **Industrial and Protective Rubber Knee and Ankle Boots:** IS 5557:2004, Testing All Physical & Chemical Parameters
- **Rubber Gum Boots and Ankle Boots:** IS 5557 (P-2):2018, Testing All Physical & Chemical Parameters
- **Moulded Solid Rubber Sole and Heel:** IS 5676:1995, Testing All Physical & Chemical Parameters
- **Rubber Microcellular Sheets For Soles:** IS 6664:1992, Testing All Physical & Chemical Parameters
- **Solid PVC Soles and Heels:** IS 6719:1972, Testing All Physical & Chemical Parameters

TESTING IN FOOTWEAR PRODUCTS



- **PVC Sandals & Slippers** : IS 6721:2023, Testing All Physical & Chemical Parameters
- **Rubber Hawai Chappal**: IS 10702:2023, Testing All Physical & Chemical Parameters
- **Leather Safety Footwear Having Direct Moulded Rubber Sole**: IS 11226:1993, Testing All Physical & Chemical Parameters
- **Slipper Rubber**: IS 11544:1993, Testing All Physical & Chemical Parameters
- **PVC Industrial Boots**: IS 12254:2021, Testing All Physical & Chemical Parameters
- **Polyurethane Sole Semi Rigid**: IS 13893:1994, Testing All Physical & Chemical Parameters
- **Unline Moulded Rubber Boots**: IS:13995: 1995, Testing All Physical & Chemical Parameters
- **Leather Safety Footwear With Direct Moulded PVC Sole**: IS:14544:1998, Testing All Physical & Chemical Parameters
- **Personnel Protective Equipment Safety**: IS 15298 (P-2): 2016, Testing All Physical & Chemical Parameters
- **Footwear Personnel Protective Equipment Protective Footwear**: IS 15298 (P-3): 2018, Testing All Physical & Chemical Parameters
- **Personnel Protective Equipment Occupational Footwear**: IS 15298 (P-4): 2017, Testing All Physical & Chemical Parameters
- **Sports Footwear**: IS 15844:2010, Testing All Physical & Chemical Parameters
- **Footwear For Men & Women For Municipal Scavenging Work**: IS 16994:2018, Testing All Physical & Chemical Parameters
- **High Ankle Tactcal Boots With PU Rubber Sole**: IS 17012:2018, Testing All Physical & Chemical Parameters
- **Antiriot Shoes**: IS 17037:2018, Testing All Physical & Chemical Parameters
- **Derby Shoes**: IS 17043:2018, Testing All Physical & Chemical Parameters



TOY TESTING



As a premier testing laboratory in Ghaziabad, UP, INDIA, we specialize in comprehensive toy testing services to ensure safety and compliance with regulatory standards. Our cutting-edge facilities boast the latest equipment for a wide array of tests, addressing physical, mechanical, chemical, electrical, and flammability aspects.

We prioritize toy safety, diligently scrutinizing potential hazards like sharp edges, small parts, choking risks, and toxic substances. Our services encompass impact resistance, compression, torsion, and drop testing, alongside chemical assessments to detect heavy metals, phthalates, and formaldehyde. We ensure all toys meet relevant regulations, such as the Consumer Product Safety Improvement Act (CPSIA) and the European Union Toy Safety Directive (EN 71). With a dedicated team, we deliver precise and reliable results, working closely with clients to ensure their products meet safety standards. Customized testing solutions are available to cater to specific needs, offering support for new designs and regulatory compliance for existing toys. With our holistic toy testing services, clients gain peace of mind, knowing their products meet safety standards, ensuring children's safety during playtime.



TESTING IN TOY PRODUCTS



Here are some of the quality tests that we typically conduct on toys to ensure they meet safety and quality standards:

- **Physical and Mechanical Tests:** Impact resistance, drop testing, compression testing, torsion testing, small parts testing, sharp edges testing, and overall strength and stability testing.
- **Chemical Tests:** Heavy metal testing, phthalate testing, formaldehyde testing, and other substance testing that could be harmful to children.
- **Electrical Tests:** Safety testing for toys that require batteries or have electrical components to ensure they do not pose a risk of electric shock or fire.
- **Flammability Tests:** Testing to ensure that the toy does not ignite or burn easily and does not pose a fire hazard.
- **Age Grading Test:** Testing to ensure that toys are appropriate for the age group for which they are intended.
- **Noise Level Test:** Testing to ensure that toys that emit sound do not exceed acceptable noise levels.
- **Chemical Migration Test:** Testing to ensure that chemicals in the toy do not migrate to the surface and cause harm to children.
- **Durability Test:** Testing to ensure that toys are able to withstand the rigors of play.
- **Packaging and Labeling Test:** Testing to ensure that the packaging and labeling comply with regulatory requirements and provide the necessary information to consumers.
- **Biocompatibility Test:** Testing to ensure that toys do not cause irritation or allergic reactions when they come into contact with the skin or mouth.



WE PERFORM TESTING ON A WIDE RANGE OF TOY PRODUCTS

- Action Figures and Dolls
- Building Sets (blocks, Legos, etc.)
- Board Games and Puzzles
- Stuffed Animals and Plush Toys
- Ride-on Toys (bikes, scooters, etc.)
- Outdoor Toys (balls, Frisbees, kites, etc.)
- Arts and Crafts Sets (painting, drawing, etc.)
- Educational Toys (STEM kits, science experiments, etc.)
- Musical Instruments (toy pianos, guitars, etc.)
- Role-Playing Toys (dress-up costumes, play kitchens, etc.)
- Electronic Toys (tablets, robot toys, etc.)
- Toy Vehicles (cars, trains, planes, etc.)
- Collectibles (comic books, trading cards, etc.)
- Bath Toys



- Pool and Beach Toys
- Soft and Plush Toys (stuffed animals, dolls, etc.)
- Rattles and Teethers
- Activity Gyms and Play Mats
- Mobiles and Crib Toys
- Blocks and Stackers
- Push and Pull Toys
- Shape Sorters and Puzzles
- Musical Toys and Instruments
- Toy Cars and Trucks
- Play Kitchen and Food Toys
- Sensory Toys (textured balls, squeeze toys, etc.)
- Books and Board Books
- Developmental Toys (learning tablets, play phones, etc.)
- Interactive Toys (robot pets, talking toys, etc.)
- Collectible Figurines



LIST OF INSTRUMENTS & EQUIPMENTS

S. N.	Name Of Equipment	S. N.	Name Of Equipment
1	Bursting Strength Tester	31	LC-MS
2	Bally Flexing Die	32	GC-MSMS
3	Belly Flex Tester	33	ICP-MS
4	Benewart Flex Tester	34	FTIR
5	Cold insulation Tester	35	GC-HS
6	Cold Ross Flex Tester	36	AAS
7	Color matching cabinet	37	Ion Chromatography
8	Compression Resistance Cum Nail Penetration Tester	38	UV Spectro-photometer
9	Compression Set Apparatus	39	GCMS
10	Digital Conditioning Chamber	40	Shore A Hardness Tester
11	Digital Crock Meter	41	Tear Die For Leather
12	Digital Lastometer	42	Tear die For Rubber Angular Type
13	Digital Light Fastness Tester	43	Tensile Strength Machine
14	Digital Thermo hygrometer	44	Silip Resistance Tester
15	Digital Thickness gauge	45	Spray Rating Tester
16	Digital Vernier Caliper	46	Sole Adhesion Tester
17	Digital Vernier Caliper	47	Toe Impact Tester
18	Din Abrasion Tester	48	Trouser type Sample Die
19	Electric Resistance Tester	49	Vamp Flex Tester
20	Elmendorf Tear Tester	50	Veslic Rub Fastness Tester
21	Grain Cracks Index Tester	51	Washing Fastness Tester (Launder-O-meter)
22	Heat Insulation Tester	52	Water Absorption & Desorption Tester
23	Hot Air Oven	53	Water Penetration tester
24	Hot Contact Resistance Tester	54	Water Vapour Absorption Bottle
25	IRDH Hardness guage	55	Water Vapour Permeability Tester
26	Lace to Lace Abrasion Tester	56	Weighing Balance
27	Martindale Abrasion Template	57	Perspirometer
28	Martindale Abrasion Tester	58	Thread Counter Machine
29	Measuring Tape	59	Whole Shoe Flex Tester
30	Midsole Flexing Tester	60	Wrap Reel Tester



OUR MAJOR INSTRUMENTS



SLIP RESISTANCE TESTER



FTIR/ATR



ICP-MS



TEARING STRENGTH TESTER



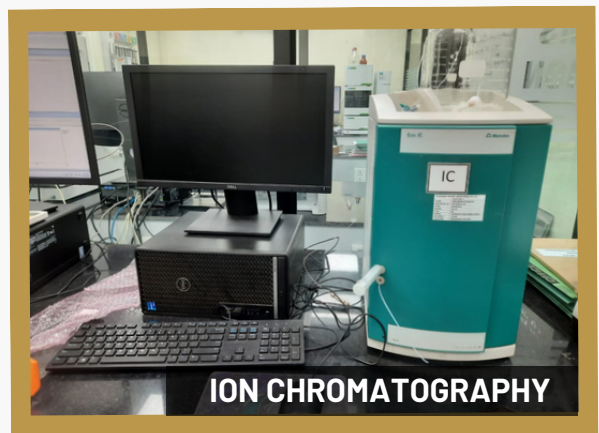
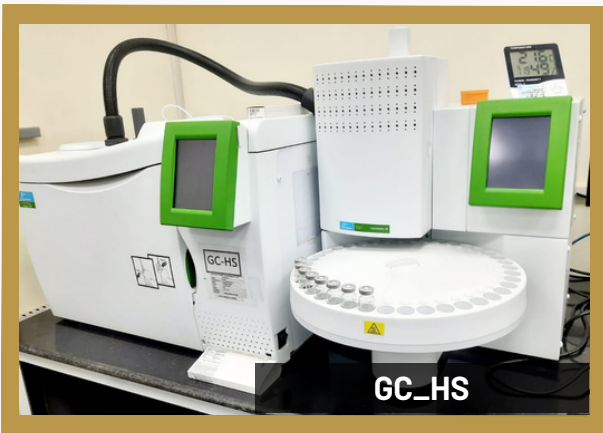
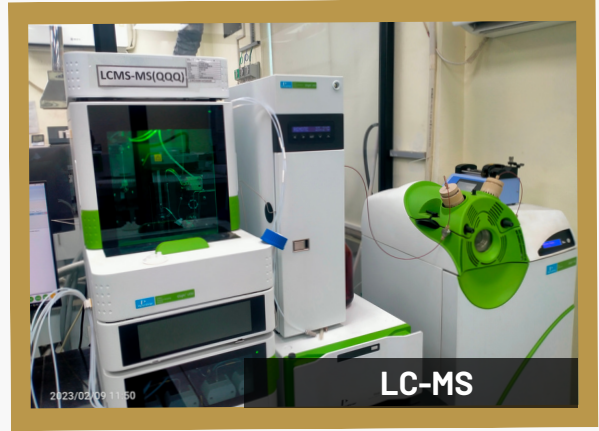
TENSILE TESTER



UV-SPECTROPHOTOMETER



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THANK YOU

WE LOOK FORWARD TO
ASSOCIATE WITH YOU

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From:

**QUALITY TESTING
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