



Consumer Product Testing for the Active World

ACT

Part of the Cotecna Group



ISO/IEC 17025 Testing Laboratory
ISO/IEC 17065 Certification Body

About ACT Lab



ACT Lab is an independent third-party ISO/IEC 17025 testing laboratory and ISO/IEC 17065 certification body specializing in consumer product safety and compliance.

Our unbiased product evaluation, research and development, auditing, and quality control services allow our customers to more effectively and consistently deliver safer, more reliable products to market.

Our Mission

To be a globally trusted leader in consumer product testing for an active world.

Our Values

Action: We are proactive, not reactive.

Character: We are trustworthy, accurate, and honest.

Teamwork: We prioritize collaboration with our customers, staff, and global community.

Why Product Testing Matters


- Consumer Safety
- Regulatory Compliance
- Marketing advantages
- Quality assurance


Testing Capabilities & Expertise


ACT Lab provides a variety of testing services across all industries for the global market.

 Bicycles

 Helmets


 Footwear & Leather


 Research & Development Projects


 E-Bikes & other e-mobility products


 Outdoor Sporting Goods


 Textile

 CA PROP 65, CPSIA, FDA, REACH, RoHS and other chemical testing

 Scooters

 Toys & Children's products

 Food Contact Material

 Product Certification



Children's Products & Toy Safety Standards

Chemical Safety

- ★ ASTM F963 – Standard Consumer Safety Specification for Toy Safety
 - Canada Consumer Product Safety Act (CCPSA)
- ★ Consumer Product Safety Improvement Act (CPSIA) of 2008
- ★ CPSC 16 CFR 1303 – Determining Lead (Pb) in Paint
- ★ EN 71-3: Specification for Migration of Certain Elements
- ★ California Proposition 65: Lead, Cadmium, Phthalate, BPA, PAHs and more
- ★ REACH, RoHS, and Migration of Heavy Metals

★ **The star highlights testing standards commonly requested by our customers.**

Mechanical Performance

- ★ ASTM F963 – Standard Consumer Safety Specification for Toy Safety
 - ASTM F1625 – Standard Specification for Rear-Mounted Bicycle Child Carriers
 - ASTM F1975 Non-powered Bicycle Trailers Designed for Human Passengers
 - ASTM F2549 – Standard Consumer Safety Specification for Frame Child Carriers
 - CPSC 16 CFR 1500.44 – Method for Determining Extremely Flammable and Flammable Solids
 - CPSC 16 CFR 1610 – Standard for the Flammability of Clothing Textiles
- ★ EN 71-1 – Safety of Toys – Mechanical and Physical Properties
 - ISO 8124 – Safety of Toys



Reese's Law Coin Cell & Lithium-ion Batteries

- CPSC 16 CFR Part 1263 – Safety Standard for Button Cell or Coin Batteries
- UL 4200A – Products Incorporating Button Batteries or Coin Cell Batteries



E-Bikes, E-Scooters & Micromobility Safety Standards

USA/Canada

- ★ ANSI/CAN/UL 2271 – Batteries for Use in Light Electric Vehicle Applications
- ★ ANSI/CAN/UL 2272 – Electrical Systems for Personal E-Mobility Devices
- ★ ANSI/CAN/UL 2849 – Electrical Systems for eBikes
- ASTM F2641 – Standard Consumer Safety Specification for Recreational Powered Scooters and Pocket Bikes
- ASTM F2642 – Standard Consumer Safety Specification for Safety Instructions and Labeling for Recreational Powered Scooter and Pocket Bikes
- ICES 003 – Information Technology Equipment
- (FCC) 47 CFR Part 15 -B Unintentional Radiators
- UL 1310 – Class 2 Power Units

ISO/IEC 17065 Certification

- ACT Lab certifies products such as batteries for light electric vehicles (LEVs), electrical systems for personal e-mobility devices, and electrical systems for e-bikes. Learn more about how certification can improve product safety!

Europe

- DIN 79010 Cycles – Transportation bikes and cargo bikes – Requirements and test methods for single and multi track cycles
- ★ EN 15194 – Cycles – Electrically Power Assisted Cycles – EPAC Bicycles
- ★ EN 17128 – Personal Light Electric Vehicles (PLEV)
- EN 17404 – Cycles – Electrically Power Assisted Cycles – EPAC Mountain Bikes
- ★ EN 17860 – Carrier cycles
- EN 50604 – Secondary Lithium Batteries for Light EV Applications
- UN 38.3 – Transportation Testing for Lithium Batteries and Cells
- IEC 62133: Safety Testing for Lithium Ion Batteries

ACT Lab's e-Validate Directory



This online resource verifies compliance for safety standards for electric bicycles, e-mobility and lithium-ion batteries, demonstrating to buyers and regulatory services that products have been thoroughly tested and are compliant with important safety standards such as ANSI/CAN/UL/ULC 2271, 2272, and 2849.

Visit: act-lab.com/e-validate



Bicycles, Scooters, & Accessories Safety Standards

USA/Canada

- ★ CPSC 16 CFR 1512 – Requirements for Bicycles
 - ANSI Z 315.1 – Tricycles – Safety Requirements
 - ASTM F1625 – Standard Specification for Rear Mounted Bicycle Child Carriers
- ★ ASTM F1975 – Non Powered Bicycle Trailers Designed for Human Passengers
- ★ ASTM F2264 – Standard Consumer Safety Specification for Non Powered Scooters
 - ASTM F2917 – Standard Specification for Bicycle Trailer Cycles Designed for Human Passengers
- ★ ASTM F2793 – Standard Specification for Bicycle Grips

AS/NZS

- AS/NZS 1927 – Pedal Bicycles – Safety Requirements

Brazil

- ABNT NBR – Brazilian Standards for Two Wheeled Vehicles – Bicycles

Europe

- EN 14619 – Roller Sports Equipment: Kick Scooters
- ★ EN 16054 – BMX Bicycles
- ★ DIN 79010 – Cycles – Transportation bikes and cargo bikes – Requirements and test methods for single and multi track cycles
- ★ ISO 4210 – Cycles – Safety Requirements for Bicycles
 - ISO 11243 – Cycles – Luggage Carriers for Bicycles
- ★ ISO 8098 – Cycles – Safety Requirements for Bicycles for Young Children





Helmets, Head Protection & PPE

ACT Lab is the globally recognized third-party helmet testing expert for the active world!

USA

- ★ CPSC 16 CFR 1203 – Safety Standard for Bicycle Helmets
- ★ DOT FMVSS No. 218 – Motorcycle Helmets
 - ASTM F1447 – Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating
 - ASTM F1492 – Standard Specification for Helmets Used in Skateboarding and Trick Roller Skating
 - ASTM F1849 – Standard Specification for Helmets Used in Short Track Speed Ice Skating (Not to Include Hockey)
 - ASTM F1952 – Standard Specification for Helmets Used for Downhill Mountain Bicycle Racing
 - ASTM F1163 – Standard Specification for Protective Headgear Used in Horse Sports
- ★ ASTM F2040 – Standard Specification for Helmets Used for Recreational Snow Sports
- ASTM F2032 – Standard Specification for Helmets Used for BMX Cycling
- SFI 24.1 Youth Helmet

Europe

- ★ EN 1077 – Helmets for Alpine Skiers and Snowboarders
- ★ EN 1078 – Helmets for Pedal Cyclists and for Users of Skateboards and Roller Skates
 - EN 12492 Helmets for Mountaineers
 - EN 1385 Helmets for Canoeing & White-Water Sports
- ★ ECE 22.05 – Protective Helmets and Their Visors for Drivers and Passengers of Motor Cycles and Mopeds
 - NTA 8776 Helmets for S-EPAC Riders

AS/NZS

- AS/NZS 2063 – Helmets for use on Bicycles and Wheeled Recreational Devices



CONSUMER GOODS

TESTING, INSPECTION, AND CERTIFICATION (TIC)

Cotecna Consumer Product Services is a one-stop-shop providing TIC laboratory solutions for a wide range of consumer goods.

WHY COTECNA

What sets Cotecna apart is our quality system which is based on the pillars of:

- > One-stop-shop TIC solutions throughout the entire supply chain
- > Global network of advanced laboratories and experienced experts
- > In-depth regulations knowledge and industrial expertise
- > Tailored services by reliable and friendly staff taking your perspective

7,000+ employees

140+ offices & labs

50 countries

Cotecna CPS has laboratories located in key manufacturing regions along with offices in many countries to provide market support at retail.

We offer consumer goods testing through the following laboratories:

ACT Lab



Headquartered in USA

- > Chemical Testing
- > Product Testing
- > Audit & Consultation
- > Bicycle & Micromobility Testing
- > PPE Testing
- > Sport/Leisure Testing

Toby



Headquartered in China

- > Safety Testing
- > Chemical Testing
- > EMC Testing
- > Wireless Testing
- > Performance Testing

Geo-Chem (India)



Headquartered in India

- > Safety Testing
- > Regulatory Testing
- > Design Evaluation
- > Performance Testing
- > Inspection & Audit
- > CPSIA Compliance Testing

Wimpey Laboratories



Headquartered in United Arab Emirates

- > Chemical Testing
- > Safety Testing
- > Performance Testing
- > Energy Efficiency Testing

Neutron



Headquartered in Italy

- > Food Contact Migration Testing
- > Cosmetic Testing

ESTS



Headquartered in China

- > Social Compliance Sustainability
- > Green & Low Carbon Initiatives
- > Quality Systems

Scan the QR code or contact us to learn more about ACT Lab



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Why Brands Test With ACT Lab

- Fast and reliable service with a dedicated account staff and direct communication.
- Personalized guidance from compliance and industry experts.
- Thorough insight and knowledge of local, regional, national, and international regulations.
- Committee involvement with regulatory bodies: CPSC, ISO, ASTM, UL, ANSI, EN, and more.



Global Testing Laboratories

USA (Headquarters)

- **California:** Long Beach

Europe

- **Czech Republic:** Prague

Asia

- **China:** Taicang City, Suzhou
- **Taiwan:** Daya District, Taichung City
- **Vietnam:** Long Hau Industrial Zone, HCM

Scan to learn more about our locations



CPSC Approved