CERTIFICATE OF ACCREDITATION

This is to attest that

ACT LAB LLC

3280 EAST 59TH STREET
LONG BEACH, CALIFORNIA 90805, U.S.A.

Testing Laboratory TL-390

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 31, 2024

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

ACT LAB LLC

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Accredited to ISO/IEC 17025:2017 *Effective Date January 31, 2024*

Chemical	
ASTM F2617	Standard test method for identification and quantification of chromium, bromine, cadmium, mercury, and lead in polymeric material using energy dispersive x-ray spectrometry
CPSC 16 CFR 1303	Ban of lead-containing paint and certain consumer products bearing lead-containing paint
CPSC-CH-E1001-8.3	Determining Total Lead (Pb) in Children's Metal Products (including children's metal jewelry)
CPSC-CH-E1002-8.3	Standard operating procedure for determining total lead (pb) in non-metal children's products (XRF portion only)
CPSC-CH-E1003-09.1	Determining lead (Pb) in paint and other similar surface coatings
CPSC-CH-E1004-11	Determining cadmium extractability from children's metal jewelry
CPSIA 2008, Section 101	Children's products containing lead; lead paint rule
EN 71-3:2013	Safety of toys - part 3: migration of certain elements (excluding chromium (III, IV) and organic tin)
Physical	
ABNT NBR 8023	Two-wheeled vehicle - bicycle - bicycle beam – dimensions
ABNT NBR 8024	Two-wheeled vehicle - bicycle - bicycle radius - determination of fatigue resistance
ABNT NBR 8691	Two wheels vehicle - bicycle - bicycle nipple - dimensions
ABNT NBR 8692	Two-wheeled vehicle - bicycle - radius and nipple - determination of tensile strength
ABNT NBR 9295	Two wheels vehicle - bicycle - brake cable - tensile strength test
ABNT NBR 13585	Tires safety - Rubber tires for bicycles
ABNT NBR 14713	Two-wheeled vehicle - bicycle - handlebar and handlebar support - safety requirements
ABNT NBR 14714	Two-wheeled vehicle - bicycle - frame and hard fork - safety requirements
ABNT NBR 14732	Two wheeled vehicle - bicycle - bicycle rims

ABNT NBR 14868	Brake assembly requirements and test method
ABNT NBR 15444	Two-wheeled vehicle - bicycle - pedal and crankset – resistance
ABNT NBR 15557	Tire tubes - requirements and test methods
ABNT NBR 15966	Two-wheeled vehicle – bicycle - front suspension fork safety requirements
ANSI Z 315.1	Tricycles - safety requirements
AS/NZS 1927	Pedal bicycles – safety requirements
ASTM D3359	Standard Test Methods for Rating Adhesion by Tape Test
ASTM F963	Standard consumer safety specification for toy safety (sections 4.2, 4.3.5.1(2), 4.3.5.2, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20 (except 4.20.1), 4.21, 4.22, 4.23, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.30, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39, 5, 6, 7 8.29 and 9)
ASTM F1163	Standard specification for protective headgear used in horse sports and horseback riding
ASTM F1446	Standard test methods for equipment and procedures used in evaluating the performance characteristics of protective headgear
ASTM F1447	Helmets used in recreational bicycling or roller skating
ASTM F1492	Standard specification for helmets used in skateboarding and trick roller skating
ASTM F1625	Standard specification and test method for rear-mounted bicycle child carriers
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 F1975	Standard specification for nonpowered bicycle trailers designed for human passengers
ASTM F2032	Standard specification for helmets used for BMX cycling
ASTM F2040	Standard specification for helmets used for recreational snow sports
ASTM F2264	Standard consumer safety specification for non-powered scooters
ASTM F2400	Standard Specification for Helmets Used in Pole Vaulting
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 scooters and pocket bikes
ASTM 2793	Standard Specifications for Bicycle Grips

ASTM F3103	Standard specification for testing off-road motorcycle and ATV helmets
ASTM F2917	Standard specification for bicycle trailer cycles designed for human passengers
CPSC 16 CFR 1203	Safety standard for bicycle helmets
CPSC 16 CFR 1263	Safety standard for button cell or coin batteries and consumer products containing such batteries
CPSC 16 CFR 1500.44	Method for determining extremely flammable and flammable solids
CPSC 16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age
CPSC 16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age
CPSC 16 CFR 1500.50	Test methods for simulating use and abuse of toys and other articles intended for use by children
CPSC 16 CFR 1500.51	Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less
CPSC 16 CFR 1500.52	Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age
CPSC 16 CFR 1500.53	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age
CPSC 16 CFR 1501	Method for identifying toys and other articles intended for use by children under 3 years of age which present a choking, aspiration, or ingestion hazard because of small parts
CPSC 16 CFR 1512	Requirements for bicycles (except section 1512.18 (n) (o) and (r)
CPSC 16 CFR 1610	Standard for the flammability of clothing textiles
DIN 79010	Cycles - Transportation bikes and cargo bikes - Requirements and test methods for single- and multi-track cycles
DIN EN 17404	Cycles - Electrically power assisted cycles - EPAC Mountain bikes
DOT FMVSS 218	Motorcycle helmets
EN 71-1:2013	Safety of toys -- part 1: mechanical and physical properties
BS EN 14619	Roller sports equipment - kick scooters - safety requirements and test methods
EN 564 (UIAA 102)	Mountaineering equipment - Accessory Cord – Safety requirements and test methods
EN 565 (UIAA 103)	Mountaineering equipment – Tape – Safety requirements and test methods
EN 566 (UIAA 104)	Mountaineering equipment – Slings – Safety requirements and test methods

EN 567 (UIAA 126)	Mountaineering equipment - Rope clamps – Safety requirements and test methods
EN 569 (UIAA 122)	Mountaineering equipment – Pitons – Safety requirements and test methods
EN 892 (UIAA 109)	Mountaineering equipment – Dynamic mountaineering ropes – Safety requirements and test methods
EN 893 (UIAA 153)	Mountaineering equipment – Crampons – Safety requirements and test methods
EN 12270 (UIAA 124)	Mountaineering equipment - Chocks - Safety requirements and test methods
EN 12275 (UIAA 121)	Mountaineering equipment – Connectors – Safety requirements and test methods
EN 12492 (UIAA 106)	Mountaineering equipment – Helmets for mountaineers – Safety requirements and test methods
EN 13089 (UIAA 152)	Mountaineering equipment – Ice-tools – Safety requirements and test methods
EN 14764	City and trekking bicycles - safety requirements and test methods
EN 15194	Cycles - Electrically power assisted cycles – EPAC Bicycles Exclude Cl. 4.2.15
EN 16054	BMX bicycles - safety requirements and test methods
EN 17128	Light Motorized vehicles for the transportation of persons and goods related facilities and not subject to type/approval for on-road use – Personal light electric vehicles
EN 60529	Degrees of protection provided by enclosures (IP code) (IPX3; IPX4, IPX5 only)
ISO 4210-1	Cycles -- safety requirements for bicycles -- part 1: terms and definitions
ISO 4210-2	Cycles -- safety requirements for bicycles -- part 2: requirements for city and trekking, young adult, mountain and racing bicycles
ISO 4210-3	Cycles -- safety requirements for bicycles -- part 3: common test methods
ISO 4210-4	Cycles -- safety requirements for bicycles -- part 4: braking test methods
ISO 4210-5	Cycles -- safety requirements for bicycles -- part 5: steering test methods
ISO 4210-6	Cycles -- safety requirements for bicycles -- part 6: frame and fork test methods
ISO 4210-7	Cycles -- safety requirements for bicycles -- part 7: wheels and rims test methods
ISO 4210-8	Safety requirements for bicycles -- part 8: pedal and drive system test methods
ISO 4210-9	Safety requirements for bicycles -- part 9: saddles and seat- post test methods

ISO 5775-1	Bicycle tyres and rims — Part 1: Tyre designations and dimensions
ISO 5775-2	Bicycle tyres and rims — Part 2: Rims
ISO 8098	Cycles — safety requirements for bicycles for young children
SFI 24.1	Youth full face helmets (except section 5.11)
SFI 31.1	Flame resistant motorsports helmets (except section 5.11)
SFI 41.1	Motor sports helmets
SFI 45.1	Roll Cage Padding
SFI 45.2	Impact Padding
UL 2271	ANSI/CAN/UL/ULC Standard for Batteries for Use In Light Electric Vehicle (LEV) Applications
UL 2272	ANSI/CAN/UL Standard for Electrical Systems for Personal E-Mobility Devices
UL 2849	Electrical Systems for eBikes
UL 4200A	Products incorporating button batteries or coin cell batteries

ABNT: The Brazilian National Standards Organization
(Associação Brasileira de Normas Técnicas)
AS/NZS – Australian / New Zealand Standard
ASTM – American Society of Testing Materials
BS – British Standards Institute
CPSC: Consumer Product Safety Commission
CPSIA: Consumer Product Safety Improvement Act
DOT – U.S. Department of Transportation
EN -European Normative
FMVSS: Federal Motor Vehicle Safety Standards
ISO: International Organization for Standardization
SFI: The SFI Foundation, Inc.
UIAA: Union International Des Associations D'Alpinisme [International Climbing and Mountaineering Federation]