SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

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In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests:

Ophthalmic, Eye and Face Protective Equipment:	
ANSI Z80.3	Non-Prescription Sunglasses and Fashion Eyewear – Requirements
ANSI Z80.31	Ophthalmic Optics – Specification for Single-Vision Ready-to-Wear Near-Vision Spectacles
ANSI/ISEA Z87.1-2010	Occupational and Educational Personal Eye and Face Protection Devices *(except 9.17, 9.18)*
ANSI/ISEA Z87.1-2015	Occupational and Educational Personal Eye and Face Protection Devices *(except 9.18, 9.19)*
ANSI/ISEA Z87.1	Occupational and Educational Personal Eye and Face Protection Devices *(except 9.18, 9.19)*
ANSI/ISEA Z87.62	Barrier Performance (Projected Liquid/Splash)
AS/NZS 1067.1[1]	Sunglass and Fashion Spectacles – Requirements
AS/NZS 1067.2	Sunglasses and Fashion Spectacles – Test Methods
AS/NZS 1337.1	Part 1: Eye and Face Protectors for Occupational Applications *(except Appendix R, S, W and X)*
AS/NZS 1337.2	Personal Eye Protection - Mesh Eye And Face Protectors For Occupational Applications
AS/NZS 1337.6	Personal Eye Protection Part 6: Prescription Eye Protectors Against Low and Medium Impact
AS/NZS 1338.1	Filters for Protection against Radiation Generated in Welding and Allied Operation
AS/NZS 1338.2	Filters for Protection Against Ultraviolet Radiation
AS/NZS 1338.3	Filters for Protection Against Infra-Red Radiation
ASTM F513	Standard Specification for Eye and Face Protective Equipment for Hockey Players
ASTM F803	Standard Specification for Eye Protectors for Selected Sports
ASTM F1776	Eye Protective Devices for Paintball Sports
ASTM F2713	Standard Specification for Eye Protectors for Field Hockey
ASTM F2879	Standard Specification for Eye Protective Devices for Airsoft Sports

Ophthalmic, Eye and Face Protective Equipment (continued):	
ASTM F3077	Standard Specification for Eye Protectors for Women's Lacrosse
ASTM F3164	Standard Specification for Eye Protectors for Racket Sports (Racquetball, Squash, Tennis)
BS 7930-1	Eye Protectors for Racket Sports-Part 1: Squash
CSA Z94.3	Industrial Eye and Face Protectors (except sec. 15.4 Prescription Lens Criteria)
CSA Z262.2	Face Protectors for Use in Ice Hockey
EN 136 §7.21	Field of View Requirements for Full Face Mask Respiratory Protective Devices
EN 166[1]	Personal Eye Protection – Specifications
EN 167	Personal Eye Protection – Optical Test Methods
EN 168	Personal Eye Protection – Non Optical Test Methods *(except 10.1 and 11, 13, 14)*
EN 169[1]	Personal Eye Protection – Filters for Welding and Related Techniques
EN 170[1]	Personal Eye Protection – Ultraviolet Filters
EN 171[1]	Personal Eye Protection – Infrared Filters
EN 172	Personal Eye Protection – Sunglare Filters for Industrial Use
EN 174	Personal Eye Protection – Ski Goggles for Downhill Skiing
EN 175	Personal Protection – Equipment for Eye and Face Protection During Welding
EN 207	Personal Eye Protection Equipment – Filters and Eye-Protectors against Laser Radiation (Laser Eye-Protectors) *(except 3.3 and 4.4)*
EN 208	Personal Eye Protection Equipment-Eye Protectors for Adjustment Work on Lasers and Laser Systems *(except 3.3 and 4.4)*
EN 379	Specification for Welding Filters *(except 5.3 & 5.4)*
EN 1731	Personal Eye Protection – Mesh Eye and Face Protectors
EN 1836-03	Personal Eye Protection – Sunglasses and Sunglare Filters for General Use *(except 5.4)*
EN 1836-07	Personal Eye Protection – Sunglasses and Sunglare Filters for General Use *(except 5.5)*
EN 1938	Personal Eye Protection – Goggles for Motorcycle and Moped Users
EN 13178	Personal Eye Protection – Eye Protectors for Snowmobile Users
21 CFR 801.410 (d)(2)	FDA Lens Impact test
ISO 8980-1	Ophthalmic Optics – Specifications for Single-Vision and Multifocal Lenses
ISO 8980-3	Ophthalmic Optics – Transmittance of Uncut Finished Spectacle Lenses
ISO 10256-3	Protective Equipment for Use in Ice Hockey – Face Protection for Skaters
ISO 10256-4	Protective Equipment for Use in Ice Hockey – Head and Face Protection for Goalkeepers
ISO 12311	Personal Protective Equipment – Test Methods for Sunglasses and Related Eyewear

Ophthalmic, Eye and Face Protective Equipment (continued):	
ISO 12312-1[1]	Eye and Face Protection – Sunglasses and Related Eyewear *(except Annex B Electro-optical sunglare filters)*
ISO 12312-2[1]	Eye and Face Protection – Sunglasses and Related Eyewear – Filters for Direct Observations of the Sun
ISO 12312-3[1]	Eye and face protection — Sunglasses and related eyewear — Part 3: Sunglasses for running, cycling and similar active lifestyles
ISO 12609-1	Eyewear for Protection Against Intense Light Sources Used on Humans and Animals for Cosmetic and Medical Applications – Part 1 – Specifications for Products
ISO 16321-1	Eye and Face Protection for Occupational Use-Part 1: General Requirements
ISO 18526-1	Eye and Face Protection-Test Methods -Part 1: Geometrical Optical Properties
ISO 18526-2	Eye and Face Protection-Test Methods-Part 2: Physical Optical Properties
ISO 18526-3	Eye and Face Protection-Test Methods-Part 3: Physical & Mechanical Properties
MIL-DTL-43511	Visors, Flyers Helmet, Polycarbonate *(except 4.4.11 through 4.4.15)*
MIL-PRF-31013	Spectacles, Special Protective Eyewear Cylindrical System (SPECS), *(except 4.4.2.6 and 4.4.3.3)*
MIL-PRF-32432A	Performance Specification for Military Combat Eye Protection (MCEP) System *(except 4.5, 4.11, 4.13.2, 4.13.5-6, and 4.16)*
MIL-STD-662F	V50 Ballistic Test for Armor
NOCSAE ND055	Standard Performance Specification for Helmet Mounted Polo Eye Protection
NIOSH STP 0312	Standard Test Procedure for Determination of Field of View for Full Facepiece CBRN Respiratory Protecting Devices
STANAG 4296	Eye Protection for the Individual Soldier – Ballistic Protection
STANAG 4495	Eye Protection for the Individual Soldier – Laser Protection (Optical Requirement Section 6 Only)
VESC-8	Minimum Requirements for Motorcyclists' Eye Protection
Respiratory Protective Equipment:	
ASTM F1862	Standard Test Method for Resistance of Medical Face Masks to Penetration By Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)
ASTM F3407	Standard Test Method for Respiratory Fit Capability for Negative Pressure, Half-Facepiece Particulate Respirators
ASTM F3502	Standard Specification for Barrier Face Coverings
29 CFR Part 1910.134 (Appendix A)	OSHA Accepted Fit Test Protocols - General Requirements (Qualitative and Quantitative Methods)
EN 136:1998	Respiratory Protective Devices – Full Face Masks (Section 8.14 only)
EN 140	Respiratory Protective Devices - Half Masks and Quarter Masks - Requirements, Testing, Marking
EN 143	Respiratory Protective Devices-Particle Filters – Requirements, Testing, Marking

Respiratory Protective Equipment (continued):	
EN 149	Respiratory Protective Devices – Filtering Half Masks to Protect Against Particles
EN 405	Respiratory protective devices - Valved filtering half masks to protect against gases or gases and particles - Requirements, testing, marking
EN 1827	Respiratory Protective Devices - Half Masks Without Inhalation Valves and With Separable Filters to Protect Against Cases, Gases & Particles, or Particles Only- Requirements, Testing, Marking
EN 12941	Respiratory Protective Devices – Powered Filtering Devices Incorporating a Helmet or a Hood – Requirements, Testing, Marking Sections 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.10, 7.11, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17
EN 13274-1	Respiratory Protective Devices – Inward Leakage (Method 2 Only) *(Except testing with SF_6 challenge chemical)*
EN 13274-3	Respiratory Protective Devices – Determination of Breathing Resistance *(excluding Annex A)*
EN 13274-4	Respiratory Protective Devices – Flame Test *(excluding Method 1)*
EN 13274-5	Respiratory Protective Devices – Climatic Conditions
EN 13274-6	Respiratory Protective Devices – Determination of Carbon Dioxide *(excluding Annex A)*
EN 13274-7	Respiratory Protective Devices – Particle Filter Penetration
EN 13274-8	Respiratory Protective Devices – Dolomite Dust Clogging
EN 14387	Respiratory Protective Devices – Gas Filters and Combined Filters
NIOSH APR-STP-0001	Determination of Particulate Filter Penetration (PAPR)
NIOSH APR-STP-0003	Determination of Exhalation Resistance Test, Air-Purifying Respirators
NIOSH APR-STP-0004	Determination of Exhalation Valve Leakage Test, Air-Purifying Respirators
NIOSH APR-STP-0005/0005A/0006	Determination of Qualitative Isoamyl Acetate (IAA) Facepiece Fit Test, Air-Purifying Respirators
NIOSH APR-STP-0007	Determination of Inhalation Resistance Test, Air-Purifying Respirators
NIOSH APR-STP-0009	Determination of Facepiece Fit, Quantitatively Using Corn Oil Aerosol, for Powered Air-Purifying Respirators with Tight-Fitting Respiratory Inlet Coverings
NIOSH APR-STP-0010	Determination of Respirator Fit, Quantitatively Using Corn Oil Aerosol, For Powered Air-Purifying Respirators with Loose-Fitting Respiratory Inlet Coverings
NIOSH APR-STP-0012	Determination of Air Flow for Powered Air-Purifying Respirators
NIOSH APR-STP-0014	Determination of Leakage of Drinking Tube and Accessories for Respiratory Facepieces
NIOSH APR-STP-0025	Determination of Silica Dust Loading Test for Powered Air-Purifying Respiratory Filters

Respiratory Protective Equipment (continued):	
NIOSH APR-STP-0030	Air-Purifying Respirator Noise Level Test
NIOSH APR-STP-0033A	Determination of Ammonia Service Life Test, Air-Purifying Respirators With Cartridges
NIOSH APR-STP-0033B	Determination of Ammonia Service Life Test, Air-Purifying Respirators With Canisters
NIOSH APR-STP-0033C	Determination of Ammonia Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0033D	Determination of Ammonia Service Life Test, Tight-Fitting Powered Air-Purifying Respirators with Gas Mask Canister(s)
NIOSH APR-STP-0035	Determination of Chlorine Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0036	Determination of Chlorine Dioxide Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0039A	Determination of Formaldehyde Service Life Test, Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0039B	Determination of Formaldehyde Service Life Test, Air-Purifying Respirators with Canisters
NIOSH APR-STP-0039C	Determination of Formaldehyde Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0040	Determination of Hydrogen Chloride Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0041	Determination of Hydrogen Cyanide Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0042	Determination of Hydrogen Fluoride Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0043A	Determination of Hydrogen Sulfide Service Life Test, Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0043B	Determination of Hydrogen Sulfide Service Life Test, Air-Purifying Respirators with Canisters
NIOSH APR-STP-0043C	Determination of Hydrogen Sulfide Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0045A	Determination of Methylamine Service Life Test, Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0045B	Determination of Methylamine Service Life Test, Air-Purifying Respirators with Canisters
NIOSH APR-STP-0045C	Determination of Methylamine Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0045D	Determination of Methylamine Service Life Test, Tight-Fitting Powered Air-Purifying Respirators with Gas Mark Canister(s)
NIOSH APR-STP-0046A	Determination of Organic Vapor (Carbon Tetrachloride) Service Life Test, Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0046B	Determination of Organic Vapor (Carbon Tetrachloride) Service Life Test, Air-Purifying Respirators with Canisters

Respiratory Protective Equipment (continued):	
NIOSH APR-STP-0046C	Determination of Organic Vapor (Carbon Tetrachloride) Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0046D	Determination of Organic Vapor (Carbon Tetrachloride) Service Life Test, Tight-Fitting Powered Air-Purifying Respirators with Gas Mask Canister(s)
NIOSH APR-STP-0047	Determination of Phosphine Service Life Test, Air-Purifying Respirators
NIOSH APR-STP-0048A	Determination of Sulfur Dioxide Service Life Test, Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0048B	Determination of Sulfur Dioxide Service Life Test, Air-Purifying Respirators with Canisters
NIOSH APR-STP-0048C	Determination of Sulfur Dioxide Service Life Test, Powered Air-Purifying Respirators with Cartridges
NIOSH APR-STP-0048D	Determination of Sulfur Dioxide Service Life Test, Tight-Fitting Powered Air-Purifying Respirators with Gas Mask Canister(s)
NIOSH APR-STP-0051	Determination of Particulate Filter Efficiency Level for P100 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0052	Determination of Particulate Filter Efficiency Level for P99 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0053	Determination of Particulate Filter Efficiency Level for P95 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0054	Determination of Particulate Filter Efficiency Level for R100 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0055	Determination of Particulate Filter Efficiency Level for R99 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0056	Determination of Particulate Filter Efficiency Level for R95 Series Filters Against Liquid Particulates for Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0057	Determination of Particulate Filter Efficiency Level for N100 Series Filters Against Solid Particles of Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0058	Determination of Particulate Filter Efficiency Level for N99 Series Filters Against Solid Particles of Non-Powered, Air-Purifying Respirators
NIOSH APR-STP-0059	Determination of Particulate Filter Efficiency Level for N95 Series Filters Against Solid Particles of Non-Powered, Air-Purifying Respirators

Respiratory Protective Equipment (continued):	
NIOSH APR-STP-0063	Determination of Facepiece Carbon-Dioxide and Oxygen Concentration Levels of Tight-Fitting Powered Air Purifying Respirators
NIOSH APR-STP-0064	Determination of Facepiece Carbon-Dioxide and Oxygen Concentration Levels, Tight-Fitting, Powered Air-Purifying Respirators, With the Blower Unit Off
NIOSH APR-STP-0065	Determination of Air Flow Resistance of Breath-Responsive, Powered Air-Purifying Respirators (PAPRs)
NIOSH APR-STP-0067	Particulate Respirator Qualitative Fit Test Utilizing Saccharin or Bitrex Solutions
NIOSH APR-STP-0080	Determination of Particulate Filter Efficiency Level Against Liquid Particulates for Powered Air-Purifying Respirators (PAPRs), Seri.es PAPRI00-P
NIOSH APR-STP-0081	Determination of Particulate Filter Efficiency Level Against Solid Particulates for Powered Air-Purifying Respirators (PAPRs), Series PAPRI00-N
NIOSH APR-STP-0085	Determination of Low Flow Warning Device Sound Level on Powered Air-Purifying Respirator (PAPR) Series PAPRI00
NIOSH APR-STP-0086	Determination of Low Flow Warning Device Activation for Breath Assist Type Tight-Fitting Powered Air-Purifying Respirators
NIOSH APR-STP-0087	Determination of Low Flow Warning Device Visibility for Powered Air-Purifying Respirators (PAPR) Series PAPRI00
NIOSH APR-STP-0088	Determination of Low Flow Warning Device Activation for Powered Air-Purifying Respirators, Series PAPRI00
NIOSH APR-STP-0089	Determination of Communication Performance Test for Speech Conveyance and Intelligibility of Powered Air-Purifying Respirator (PAPR) Series PAPRI00
NIOSH ASR-STP-0100	Determination of Strength of Hoses and Couplings, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0101	Determination of Tightness of Hoses and Couplings-Type C and CE, Supplied Air Respirators
NIOSH ASR-STP-0102	Determination of Nonkinkability of Hoses, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0103	Determination of Gasoline Permeation of Hoses and Coupling for Types C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0104	Determination of Air-Regulating Valve 100,000 Cycles, Demand and Pressure-Demand, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0105	Determination of Airflow-Continuous Airflow, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0105A	Determination of Airflow, Demand and Pressure-Demand, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0106	Determination of Inhalation Airflow Resistance, Pressure-Demand, Type C and CE, Supplied-Air Respirators

Respiratory Protective Equipment (continued):	
NIOSH ASR-STP-0107	Determination of Exhalation Airflow Resistance, Pressure-Demand, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0110	Determination of Man Test for Gases and Vapors-Gas Tightness Test – Isoamyl Acetate (IAA), Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0111	Determination of Air Velocity and Noise Levels – Sound Level, Type C and CE, Supplied-Air Respirators
NIOSH ASR-STP-0113	Determination of AirflowResistance, Continuous Flow, Type C and CE, Supplied-Air Respirators Standard Testing Procedure
NIOSH ASR-STP-0114	Determination of Sound-Level Measurement—Escape, Open-Circuit Self-Contained Breathing Apparatus Using Hoods or Helmets
NIOSH ASR-STP-0118	Determination of Low Temperature Operation – Minimum Temperature per Applicant, Open-Circuit, Self-Contained Breathing Apparatus
NIOSH ASR-STP-0119	Determination of Low-Temperature Operation – Minimum Temperature per Applicant, Combination, Open-Circuit, Self-Contained Breathing Apparatus and Type C, and CE, Supplied-Air Respirators
NIOSH ASR-STP-0120	Determination of Positive Pressure – Open-Circuit, Pressure-Demand, Self-Contained Breathing Apparatus
NIOSH ASR-STP-0121	Determination of Rated Service Time – Open-Circuit, Demand and Pressure-Demand, Self-Contained Breathing Apparatus
NIOSH ASR-STP-0122	Determination of Exhalation Breathing Resistance – Open-Circuit, Demand and Pressure-Demand, Self-Contained Breathing Apparatus
NIOSH ASR-STP-0125	Determination of Gas Tightness - Isoamyl Acetate, (IAA) – Self-Contained Breathing Apparatus with Facepieces and Mouthpieces
NIOSH ASR-STP-0125A	Determination of Gas Tightness - Isoamyl Acetate (IAA) – Self-Contained Breathing Apparatus with Hoods or Helmets
NIOSH ASR-STP-0128	Determination of Accuracy of Gauge – Self-Contained Breathing Apparatus
NIOSH ASR-STP-0134	Determination of Gasoline Permeation Test of Breathing Bags – Closed-Circuit, Self-Contained Breathing Apparatus
NIOSH ASR-STP-0139	Determination of Facepiece Carbon Dioxide Concentrations – Self-Contained Breathing Apparatus
NIOSH ASR-STP-0140	Man Tests – Self-Contained Breathing Apparatus
NIOSH ASR-STP-0147	Determination of Mode Transfer Test – Combination, Open-Circuit, Self-Contained Breathing Apparatus and Supplied-Air Respirators (SCBA/SAR)
NIOSH APRS-STP-CBRN-0301	Determination of CBRN Organic Vapor (Cyclohexane) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0303	Determination of CBRN Acid Gases (Hydrogen Cyanide) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0304	Determination of CBRN Acid Gases (Phosgene) Service Life Test, Air-Purifying Respirators

Respiratory Protective Equipment (continued):	
NIOSH APRS-STP-CBRN-0305	Determination of CBRN Acid Gases (Hydrogen Sulfide) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0306	Determination of CBRN Acid Gases (Sulfur Dioxide) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0307	Determination of CBRN Acid Gases (Ammonia) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0308	Determination of CBRN Nitrogen Oxide Gases (Nitrogen Dioxide) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0309	Determination of CBRN Hydride Gases (Phosphine) Service Life Test, Air-Purifying Respirators
NIOSH APRS-STP-CBRN-0310	Determination of CBRN Formaldehyde Service Life Test, Air-Purifying Respirators
NIOSH TEB-CBRN-APR-STP-0313	Determination of Communication Performance Test For Speech Conveyance and Intelligibility of Chemical Biological Radiological and Nuclear (CBRN) Full-Facepiece Air-Purifying Respirator (APR) Standard Test Procedure
NIOSH CBRN-APRS-STP-0314	Determination of Lens Fogging on Full Facepiece Chemical Biological Radiological Nuclear (CBRN) Air-Purifying Respirator
NIOSH-CBRN-APR-STP-0552	Determination of Laboratory Respirator Protection Level (LRPL) Values for CBRN Tight-Fitting Powered Air-Purifying Respirator (PAPR)
NIOSH-CBRN-APR-STP-0553	Determination of Laboratory Respirator Protection Level (LRPL) Values for CBRN Loose-Fitting Powered Air-Purifying Respirator (PAPR)
NIOSH CCER-STP-0600	Determination of Gasoline Permeation Test on Breathing Bags, Closed Circuit Escape Respirator (CCER)
Chemical Protective Clothing:	
ASTM F739	Standard Test Method For Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact
ASTM F903	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Liquids
ASTM F1383	Standard Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Intermittent Contact
ASTM F1670	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood
EN 374-3 *(superseded 9/2015)*[2]	Protective Gloves Against Chemicals and Micro-Organisms
EN 16523-1	Determination of Material Resistance to Permeation by Chemicals – Part I: Permeation by Liquid Chemical Under Constant Contact
ISO 6529	Protective Clothing – Protection Against Chemicals - Determination of Resistance of Protective Clothing Materials to Permeation by Liquids and Gases

Chemical Protective Clothing (continued):	
NFPA 1991	Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies Clause 8.6 – Chemical Permeation *(except Abrasion and Flexing test and Controlled Chemical Warfare Agents. Surrogate chemicals used where available.)*
Flammability:	
ASTM D635-1998[2]	Standard Test Method for Rate of Burn and/or Extent and Time of Burning of Plastics in a Horizontal Position
16 CFR 1610	Standard for the Flammability of Clothing Textiles
Head Protection:	
ABNT NBR 8221	Brazilian National Standard for Safety Helmets for Occupational Use – Specification and Test Methods
ANSI Z89.1	American National Standard for Industrial Head Protection
AS/NZS 1801	Occupational Protective Helmets; *(except clause 3.2.5 "Retroreflective Material" Testing)*
AS/NZS 2063[1]	Bicycle Helmets
AS/NZS 2512.2	Methods of Testing Protective Helmets – General Requirements for the Conditioning and Preparation of Test Specimens and Laboratory Conditions
AS/NZS 2512.3.1	Methods of Testing Protective Helmets – Determination of Impact Energy Attenuation – Helmet Drop Test
AS/NZS 2512.5.2	Methods of Testing Protective Helmets – Determination of Strength of Retention System – Dynamic Strength
AS/NZS 2512.6	Methods of Testing Protective Helmets – Measurement of Horizontal Peripheral Vision Clearance
AS/NZS 2512.7.1	Methods of Testing Protective Helmets – Determination of Stability of Protective Helmets – Static Stability
AS/NZS 2512.8	Methods of Testing Protective Helmets – Measurement of Peak Deflection
AS/NZS 2512.9	Methods of Testing Protective Helmets – Determination of Load Distribution
ASTM F910	Standard Specification for Face Guards for Youth Baseball
ASTM F1045	Standard Performance Specification for Ice Hockey Helmets
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	Standard Specification for Helmets Used in Recreational Bicycling or Roller Skating
ASTM F1492	Standard Specification for Helmets Used in Skateboarding and Trick Roller Skating

Head Protection (continued):	
ASTM F1587	Standard Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders *(except Annex A2 Method of Measuring Peripheral Field of Vision and Bilateral Scotomata)*
ASTM F1952	Standard Specification for Helmets Used in Downhill Mountain Bicycle Racing
ASTM F1849	Standard Specification for Helmets Used in Short Track Speed Ice Skating
ASTM F1898	Standard Specifications for Helmets for Non-Motorized Vehicles Used by Infants and Toddlers
ASTM F2032	Standard Specification for Helmets Used for BMX Cycling
ASTM F2040	Standard Specification for Helmets Used for Recreational Snow Sports
ASTM F2416	Standard Specifications for Headgear Used in Electronic Personal Assistive Mobility Devices
ASTM F3137	Standard Specification for Headgear Used in Women's Lacrosse *(excluding goalkeepers)*
16 CFR Part 1203[3]	Consumer Product Safety Commission – Safety Standard for Bicycle Helmets; Final Rule
CSA Z94.1	Industrial Protective Headwear-Performance, Selection, Care and Use
EN 397	Industrial Safety Helmets *(except 6.2.8 and 6.12)*
EN 966	Helmets for Airborne Sports
EN 1077	Helmets for Alpine Skiers and Snowboarders
EN 1078	Helmets for Pedal Cyclists and for Users of Skateboards and Roller Skates
EN 1080	Helmets for Young Children
EN 1384	Helmets for Equestrian Activites
EN 1385	Helmets for Canoeing and White Water Sports
EN 13087-1	Protective Helmets – Test Methods – Part 1: Conditions and Conditioning
EN 13087-2	Protective Helmets – Test Methods – Part 2: Shock Absorption
EN 13087-3	Protective Helmets –Test Methods – Part 3: Resistance to Penetration
EN 13087-4	Protective Helmets – Test Methods – Part 4: Retention System Effectiveness
EN 13087-5	Protective Helmets – Test Methods – Part 5: Retetntion System Strength
EN 13087-6	Protective Helmets – Test Methods – Part 6: Field of Vision
ISO 10256-2	Protective Equipment for Use in Ice Hockey – Head Protection for Skaters
NIJ 0104.02	Riot Helmets and Faceshields
NOCSAE ND001	Standard Drop Test Method & Equipment Used in Evaluating Performance Characteristics of Protective Headgear

Head Protection (continued):	
NOCSAE ND002	Standard Performance Specification for Newly Manufactured Football Helmets
NOCSAE ND006	Standard Performance Specification for Newly Manufactured Youth Football Helmets
NOCSAE ND015	Standard Test Method and Specification Used in Evaluating the Corrosion Characteristics and Effects on Metallic Hardware Disassembly
NOCSAE ND021	Standard Projectile Impact Testing Method Used for Evaluating Performance of Protective Headgear, Faceguards, Projectiles
NOCSAE ND022	Standard Performance Specification for Newly Manufactured Baseball / Softball Helmets
NOCSAE ND024	Standard Performance Specification for Newly Manufactured Baseball / Softball Catcher's Helmets with Faceguard
NOCSAE ND029	Standard Performance Specification for Newly Manufactured Baseball / Softball Fielder's Headgear
NOCSAE ND030	Standard Performance Specification for Newly Manufactured Hockey Helmets
NOCSAE ND035	Standard Performance Specification for Newly Manufactured Hockey Face Protectors
NOCSAE ND041	Standard Performance Specification for Newly Manufactured Lacrosse Helmets with Faceguards
NOCSAE ND045	Standard Performance Specification for Newly Manufactured Lacrosse Face Protectors
NOCSAE ND050	Standard Performance Specification for Newly Manufactured Polo Helmets
NOCSAE ND061	Standard Performance Specification for Newly Manufactured Field Hockey Headgear
NOCSAE ND072	Standard Performance Specification for Newly Manufactured Baseball / Softball Batter's Helmet-Mounted Faceguard
NOCSAE ND081	Standard Pneumatic Ram Test Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear and Faceguards
NOCSAE ND087	Standard Method of Impact Test and Performance Requirements for Football Faceguards
Athletic Equipment:	
ASTM F1887	Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs
ASTM F1888	Compression – Displacement of Baseballs and Softballs
EN 13546	Protective Clothing for Field Hockey Goal Keepers and Shin Protectors for Field Players
ISO 10256-1	Protective Equipment for Use In Ice Hockey - General Requirements
Little League Baseball Rulebook[1]	Ball Approval Process – Manufacturer's Specifications for Solid Core, Leather, or Synthetic Cover Little League Balls

Athletic Equipment (continued):	
Little League Softball Rulebook[1]	Ball Approval Process – Manufacturer's Specifications for Solid Core, Leather, or Synthetic Cover Little League Balls
NFHS Authenticating Mark Program[1]	Ball & Puck Specifications for Baseball, Volleyball, Water Polo, Football, Soccer, Field Hockey, Ice Hockey, Lacrosse, and Basketball
NOCSAE ND019	Standard Test Method and Performance Specification for Newly Manufactured Football Players Hand Coverings
NOCSAE ND027	Standard Performance Specification for Newly Manufactured Baseballs
NOCSAE ND049	Standard Performance Specifications for Newly Manufactured Lacrosse Balls
NOCSAE ND069	Standard Performance Specification for Newly Manufactured Field Hockey Balls
NOCSAE ND090	Standard Test Method and Performance Specification for Newly Manufactured Soccer Shin Guards
NOCSAE ND200	Standard Test Method and Performance Specification Used in Evaluating the Performance Characteristics of Chest Protectors for Commotio Cordis
SFIA FBG	Performance Specifications and Protocol for Football Gloves and Hand Pads
US Lacrosse Equipment Specifications	US Lacrosse Manufacturer's Specifications: Womens' Lacrosse Stick and Equipment
Impact Resistant and Mechanical-Protective Gloves and Clothing:	
ANSI/ISEA 138	American National Standard for Performance and Classification for Impact-Resistant Hand Protection
EN 388	Protective Gloves Against Mechanical Risk (§6.6 only)
EN 1621-1	Motorcyclists' Protective Clothing Against Mechanical Impact Part 1 Motorcyclists' Limb Joint Impact Protectors
EN 1621-2	Motorcyclists' Protective Clothing Against Mechanical Impact Part 2 Motorcyclists' Back Protectors
EN 1621-3	Motorcyclists' Protective Clothing Against Mechanical Impact Part 3 Motorcyclists' Chest Protector
EN 14021	Stone Shield for Off-Road Motorcycling Suited to Protect Riders Against Stones and Debris
EN 14120	Protective Clothing – Wrist, Palm, Knee and Elbow Protectors for Users of Roller Sports Equipment
Other:	
ASTM D1003	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM E1331	Reflectance Factor and Color by Spectrophotometry Using Hemispherical Geometry
BS 2782-5	Determination of Haze of Film and Sheet (Method 521A)

[1] The laboratory is accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specifications listed; however, the inclusion of these material specifications on this

Scope does not confer laboratory accreditation to the material specifications. Inclusion of these material specifications on this Scope also does not confer accreditation for every method embedded within the specification. Only the methods listed above on this Scope are accredited."

[2]This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

[3]The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at http://www.cpsc.gov/cgi-bin/labsearch/.

Accredited Laboratory

A2LA has accredited

ICS LABORATORIES, INC.

Brunswick, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 5th day of August 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1722.01
Valid to May 31, 2027

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.