



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SOUTHERN IMPACT RESEARCH CENTER, LLC
304 Dunavant Drive
Rockford, TN 37853
P. David Halstead Phone: 865-523-1662

MECHANICAL

Valid To: October 31, 2019

Certificate Number: 1412.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following mechanical tests on Consumer Products and Sports Equipment¹:

<u>Test:</u>	<u>Test Method:</u>
ASTM F355	Standard Test Method for Shock-Absorbing Properties of Playing Surfaces and Materials
ASTM F429	Standard Test Method for Shock-Attenuation Characteristics of Protective Headgear for Football
ASTM F513 (Sec. 4.8)	Standard Safety Specification for Eye and Face Protective Equipment for Hockey Players
ASTM F803	Standard Specification for Eye Protectors for Selected Sports (Mechanical Only)
ASTM F3077	Standard Specification for Eye Protectors for Women's Lacrosse (Mechanical Only)
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 F1292 (Except Sec. 16-19)	Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment
ASTM F1446	Test Methods for Equipment and Procedures used in Evaluating the Performance Characteristics of Protective Headgear
ASTM F1447	Specifications for Protective Headgear Used in Bicycling
ASTM F1492	Specifications for Protective Headgear Used in Skateboarding
ASTM F1587	Standard Specification for Head and Face Protective Equipment for Ice Hockey Goaltenders
ASTM F1776 (Sec. 7 and 8)	Standard Specification for Eye Protection Devices for Paintball Sports
ASTM F1887 (Method A)	Standard Test Method for Measuring the Coefficient of Restitution (COR) of Baseballs and Softballs

¹ 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/>.

Test:

ASTM F1888
ASTM F1898
LPG 1.71
ASTM F1937

ASTM F2681
ASTM F1952

ASTM F2040
CPSC 16 CFR Part 1203
FMVSS 218
(49 CFR Sec. 571.218)
VESC-8, (Sec. 8)
NOCSAE DOC (ND) 002
NOCSAE DOC (ND) 081
NOCSAE DOC (ND) 022
NOCSAE DOC (ND) 024
NOCSAE-1990
NOCSAE-1990
NOCSAE DOC (ND) 019
NOCSAE DOC (ND) 029
NOCSAE DOC (ND) 087
NOCSAE DOC (ND) 030
NOCSAE DOC (ND) 049
NOCSAE DOC (ND) 050
NOCSAE DOC (ND) 041
NOCSAE DOC (ND) 001
NOCSAE DOC (ND) 021
NOCSAE DOC (ND) 027
NOCSAE DOC (ND) 035
NOCSAE DOC (ND) 045

Test Method:

Test Method for Compression-Displacement of Baseballs and Softballs
Standard Specification for Bicycle Helmets Used by Infants and Toddlers
Physical Characteristics of Baseballs and Softballs
Standard Specification for Body Protectors Used in Horse Sports and Horseback Riding
Standard Specification for Body Protectors Used in Equine Racing
Standard Specification for Helmets Used for Down Hill Mountain Bicycle Racing
Standard Specification for Helmets Used for Recreational Snow Sports
Safety Standard for Bicycle Helmets
Federal Motor Vehicle Safety Standard No. 218 Motorcycle Helmets

Minimum Requirements for Motorcyclists Eye Protection
Standard Performance Specification for Newly Manufactured Football Helmets
Standard Pneumatic Ram Test Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear and Face Guards
Standard Performance Specification for Newly Manufactured Baseball/Softball Batter's Helmets
Standard Performance Specification for Newly Manufactured Baseball/Softball Catcher's Helmets with Faceguard
Standard Method of Impact Test and Performance Requirements for Lacrosse Helmets and Faceguards
Standard Method of Impact Test and Performance Requirements for Football Faceguards
Newly Manufactured Football Players Hand Coverings
Standard Performance Specification for Newly Manufactured Baseball/Softball Fielder's Headgear
Standard Test Method of Impact Test and Performance Requirements for Football Face Guards
Standard Performance Specification for Newly Manufactured Hockey Helmets
Standard Performance Specification for Newly Manufactured Lacrosse Balls
Standard Performance Specification for Newly Manufactured Polo Helmets
Standard Performance Specification for Newly Manufactured Lacrosse Helmets
Standard Drop Testing Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear
Standard Projectile Impact Testing Method and Equipment Used in Evaluating the Performance Characteristics of Protective Headgear, Faceguards, or Projectiles
Standard Performance Specification for Newly Manufactured Youth Baseballs
Standard Performance Specification for Newly Manufactured Hockey Face Protectors
Standard Performance Specification for Newly Manufactured Lacrosse Face Protectors



Test:

NOCSAE DOC (ND) 055
NOCSAE DOC (ND) 200
NOCSAE DOC (ND) 072
NOCSAE DOC (ND) 015
NOCSAE DOC (ND) 061
NOCSAE DOC (ND) 069
NOCSAE DOC (ND) 090
16 CFR Part 1501
16 CFR Part 1500.51
(*Except Bite Test*)
16 CFR Part 1500.52
(*Except Bite Test*)
ASTM F2440
ASTM F2530
CO/PD 05-04
(Sec. 4.10.13)

Test Method:

Standard Performance Specification for Helmet Mounted Polo Eye Protection
Standard Test Method and Performance Specification Used in Evaluating the Performance Characteristics of Chest Protectors for Commotio Cordis
Standard Performance Specification for Newly Manufactured Baseball/Softball Batter's Helmet Mounted Faceguard
Standard Test Method and Specification Used in Evaluating the Corrosion Characteristics of Hardware Disassembly
Standard Performance Specification for Newly Manufactured Field Hockey Headgear
Standard Performance Specification for Newly Manufactured Field Hockey Balls
Standard Performance Specification for Newly Manufactured Soccer Shin Guards
Small Parts Regulation for Items Intended for Use by Children Under Age 3
Test Method for Simulating Use and Abuse of Toys and Other Articles Intended for Use by Children 18 Months or Less
Test Method for Simulating Use and Abuse of Toys and Other Articles Intended for Use by Children Over 18 But Not Over 36 Months of Age
Standard Specification for Indoor Wall/Feature Padding
Standard Specification for Protective Headgear with Face Guard Used in Bull Riding
Blunt Impact Protection Testing of Advanced Combat Helmets (ACH)

The laboratory is only accredited for the test methods listed above. The accredited test methods are used in determining compliance with the material specification listed below. The inclusion of this material specification on this Scope does not confer laboratory accreditation to the material specification nor does it confer accreditation for the method(s) embedded within the specification.

ASTM F717 Standard Specification for Football Helmets





Accredited Laboratory

A2LA has accredited

SOUTHERN IMPACT RESEARCH CENTER, LLC

Rockford, TN

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 2nd day of November 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 1412.01
Valid to October 31, 2019

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