



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HUMANETICS INNOVATIVE SOLUTIONS, INC.

ATD Certification Lab

21001 State Route 739

Raymond, OH 43076

Joshua Yingling Phone: 248 778 2153

MECHANICAL

Valid To: July 31, 2027

Certificate Number: 2421.04

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

Test Description:	Parameter:	Test Method(s):
Head Drop – Resultant Acceleration Lateral Acceleration Unimodal Oscillation Temperature Humidity	(0 to 300) g ± 15 g (0 to 17) % (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts E, L, N, O, P, U and V; SAE J2860: H3 95 th ECE 94: Regulation 95 (ES2)
Hip Flexion – Velocity Angle Torque Temperature Humidity	(5.0 to 10) deg/s (0 to 50) deg (0 to 203) Nm (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts E and O
Knee Impact – Velocity Force Temperature Humidity	(2.0 to 3.0) m/s (2.0 to 6.0) kN (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts E, N and O; SAE J2860: H3 95 th

Test Description:	Parameter:	Test Method(s):
Knee Slider – Velocity Force Displacement Temperature Humidity	(2.0 to 3.0) m/s (1.26 to 3.1) kN (10 to 18.3) mm (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts E and O; SAE J2860: H3 95 th
Neck Pendulum – Velocity Acceleration Rotation Moment Displacement Force Temperature Humidity	(1.2 to 7.77) m/s (0 to 37.0) g (27 to 114) deg (0 to 130) Nm (-20 to 168) mm (4.7 to 5.2) kN (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts E, N, O, P, U and V; ECE 94: Regulation 95 (ES2) THOR 50 th Percentile Male Qualification Procedures Manual (THOR-50M NHTSA)
Torso Impact – Velocity Displacement Hysteresis Acceleration Force Rotation Moment Temperature Humidity	(1.0 to 10) m/s (10 to 76) mm (50 to 85)% (5.0 to 212) g (1.0 to 11.1) kN (-21 to 29)deg (-23.5 to 17.8)Nm; (20 to 83)m/s (18 to 26) °C (10 to 70) % RH	ECE 94: Regulation 95 (ES2) CFR 49, Part 572: Subparts E, N O, P, U and V; SAE J2860: H3 95 th THOR 50 th Percentile Male Qualification Procedures Manual (THOR-50M NHTSA)
Torso Flexion – Velocity Force Angle Temperature Humidity	(0.5 to 1.5) deg/s (130 to 550) N (0 to 45.5) deg (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subparts N, O and P; SAE J2860: H3 95 th

Test Description:	Parameter:	Test Method(s):
Rib Module – Velocity Displacement Temperature Humidity	(1.0 to 10) m/s (10 to 51) mm (18 to 26) °C (10 to 70) % RH	CFR 49, Part 572: Subpart U; ECE 94: Regulation 95 (ES2)
Foot Impact – Velocity Force Moment Acceleration Temperature Humidity	(4.3 to 6.8) m/s (2.8 to 3.8) kN (95 to 145) g (245 to 345) g (19 to 25) deg C (10 to 70) %RH	THOR 50 th Percentile Male Qualification Procedures Manual (THOR-50M NHTSA)



Accredited Laboratory

A2LA has accredited

HUMANETICS INNOVATIVE SOLUTIONS, INC.

Raymond, 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 10th day of June 2025.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2421.04
Valid to July 31, 2027

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