SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

TEXAS A&M TRANSPORTATION INSTITUTE PROVING GROUND

Texas A&M Transportation Institute
Texas A&M University System RELLIS Campus
1254 Avenue A, Building 7091
Bryan, TX 77807
Darrell Kuhn Phone: 979-317-2681

MECHANICAL

Valid To: April 30, 2023 Certificate Number: 2821.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metal, wood, concrete, and plastic structures; components of structures, fasteners; and roadway pavements:

Test:	**Test Method(s):**
Full-Scale Vehicle Crash Tests of Highway Safety Features	MASH; EN1317; CEN/TS 16786; NCHRP Report 350
Full-Scale Vehicle Crash Tests of Facility Perimeter Protection Systems, Access Control Devices, and Vehicle Safety Barriers	ASTM F2656; PAS 68; ISO IWA14-1
Bogie and Pendulum Dynamic Tests of Highway Safety Features, Facility Perimeter Protection Systems and Access Control Devices, Subassemblies, and Components	In-House LM-BOG; In-House LM-PEN
Strength Test of Subassemblies and Components of Highway Safety Features, Facility Perimeter Protection Systems and Access Control Devices	In-House LM-STA
Skid Resistance of Pavement Surfaces	ASTM E274
Surrogate Testing of Vehicle Impact Protective Devices at Low Speeds	ASTM F3016
Crash Testing Industrial Guardrail Barrier and Barrier Posts	ANSI MH 31.2 2021
Testing Forced Entry, Ballistic and Low Impact Resistance of Security Fence Systems	ASTM F2781
AASHTO NTPEP Evaluation of Temporary Traffic Control Devices: Flexible Delineators	AASHTO NTPEP TTCD 18-01

CALIBRATION

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Friction Measurement System and Related Equipment	Up to 100 FN	1.1 FN	ASTM E2793
Wheel Force and Torque Transducer	Up to 1200 lbf Vertical Up to 800 lbf Horizontal	1.4 lbf	ASTM E556
Wheel Force Calibration Platform	Up to 1400 lbf Vertical Up to 800 lbf Horizontal	1.4 lbf	ASTM F377

[1] This laboratory offers commercial calibration services.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] In the statement of CMC, FN refers to Friction Number, the coefficient of friction multiplied by 100.

Accredited Laboratory

A2LA has accredited

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Bryan, TX

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 18th day of March 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2821.01
Valid to April 30, 2023

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