



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AM/NS CALVERT – CENTRAL TESTING LABORATORY

1 AM/NS Way
P.O. Box 456
Calvert, AL 36513
Thomas Bischoff 251 289 3000

MECHANICAL

Valid to: September 30, 2021

Certificate Number: 3475.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on flat carbon and coated steel:

Test

Test Method(s)

Tensile, Yield, % Elongation, R Value, and N Value

ASTM A370, E8/E8M, E517, E646; ISO 6892-1, 10113, 10275; DIN EN ISO 6892-1; JIS Z 2241, Z 2253, Z 2254

Bake Hardening Test (BH0, BH2)

ASTM A653/A653M; EN 10325; JIS G3135

Tensile Test of Tube Qualities

ISO 3183; API Spec. 5L

Notch Impact Test – Charpy

ASTM E23; ISO 148-1; DIN EN ISO 148-1; JIS Z 2242

Hardness

Rockwell Hardness (B and 15T)

ASTM E18; ISO 6508-1; DIN EN ISO 6508-1; JIS Z 2245

Vickers Hardness (HV10 kg)

ASTM E384; ISO 6507-1; DIN EN ISO 6507-1; JIS Z 2244

Roughness

ASME B46.1; DIN EN 10049/SEP 1940; ISO 3274, 4287, 4288; JIS B 0601, JIS B 0610, JIS B 0651; SAE J911

Drop Weight Tear Test

ASTM E436

Test

Bend Test (180 and Flattening)

V-Bend (Toyota)

VDA Bend

Hole Expansion

Test Method(s)

ASTM E290; ISO 7438; DIN EN ISO 7438; JIS Z 2248

TRSTM

VDA 238-100

ISO 16630

Metallographic

Grain Size (Circular Intercept)

ASTM E112

Inclusion Content

ASTM E45

Microstructure

Metals Handbook Volume 8

Energy-Dispersive Spectroscopy
(EDS, SEM) Semi quantitative

ASTM E1508; WI 8762

Preparation Method – Metallographic

Preparation

ASTM E3

Micro and Macro Etching

ASTM E340, E407

Failure Analysis

Using the methods on this scope of accreditation in
accordance with the ASM Handbook Volume 11**Chemical****Test**

Coating Weight

Powdering/Adhesion Test for GA Toyota

Powdering/Adhesion Test for GA Honda

Optical Emission Spectroscopy
(Carbon, Low Alloy Steel)**Test Method(s)**

ASTM A90/A90M

TRSTM; JIS H0401

HES C 502-99; JIS H0401

ASTM E415





Accredited Laboratory

A2LA has accredited

AM/NS CALVERT - CENTRAL TESTING LABORATORY

Calvert, AL

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 30th day of October 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3475.01
Valid to September 30, 2021

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