



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

VELTEC LABORATORIES  
12255 Universal  
Taylor, MI 48180  
Billy Martin Phone: 734 946 0440

MECHANICAL

Valid To: December 31, 2023

Certificate Number: 0248.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform tests on metals and alloys:

Test	Test Methods
Tensile Testing (Flat Metal, Tubular Product and Full Cross Section Round), Tensile, Yield, Elongation, Reduction of Area, r and n Values	ASTM E8/E8M, ASTM A370 (Sections 6-14), ASTM B557; JIS Z2241; ISO 6892-1; GMW 3335
Plastic Strain Ratio (r-value)	ASTM E517; JIS Z2254; ISO 10113
Work Hardening Exponent (n-value)	ASTM E646; JIS Z2253; ISO 10275
Bake Hardening Index	ASTM A1008/A1008M
Rockwell Hardness (HRBW, HRC, HR30TW)	ASTM E18, ASTM A370
Coating Weight Aluminum on Steel Zinc on Steel	ASTM A428/A428M ASTM A90/A90M, ASTM A917 (Section 8)
Double Olsen Coating Adhesion	Chrysler LP-461H-120 (Visual Method)
Olsen Cup	ASTM E643
Bend Test (Bend and Flatten)	ASTM E290, ASTM A917 (Section 9)
Surface Roughness using a Profilometer	SAE J911; ASME B46.1

<b>Test</b>	<b>Test Methods</b>
<b><u>CHEMICAL</u></b>	
Atomic Emission Spectroscopy (OES) Carbon and Low Alloy Steels (Al, B, C, Ca, Cr, Cu, Mn, Mo, Nb, Ni, P, S, Si, Ti, V)	ASTM E415
Stainless Steel (C, Cr, Cu, Mn, Mo, Ni, P, S, Si)	ASTM E1086
Aluminum Alloys (B, Ca, Cr, Cu, Ga, Mg, Mn, Ni, P, Pb, Si, Ti, V, Zn)	ASTM E1251
<b><u>METALLOGRAPHIC ANALYSIS</u></b>	
Grain Size (Comparison)	ASTM E112
Inclusion Content	ASTM E45 (Method A); SAE J422
Sample Preparation	ASTM E3
Micro Etching	ASTM E407
Macro Etching	ASTM E381; OP #30
Light Photomicrography	ASTM E883, Para 12.2





# Accredited Laboratory

A2LA has accredited

## VELTEC LABORATORIES

Taylor, MI

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 10<sup>th</sup> day of November 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0248.01  
Valid to December 31, 2023

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