



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SWD, INC.
910 S. Stiles Drive
Addison, IL 60101
Rick Delawder Phone: 630 543 3003

CHEMICAL

Valid To: November 30, 2017

Certificate Number: 0951.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on steel and stainless steel fasteners, stampings, and other piece parts:

Test Technology:

Test Methods:

Coating Thickness Electromagnetic

ASTM B499, E376;
ISO 10683, Section 8.4

Coating Weight

Chrysler PS-80, LP461J;
GM 4435M, Section 4.2 (*Inactive March 2011*)¹;
GM 6035M, Section 4.2 (*Inactive March 2011*)¹;
GMW3179, Section 3.3.2;
MIL-DTL-16232 G, Section 4.7.3;
SAE AMS2481, Section 3.4.3;

Copper Sulfate Test for Surface
Passivation of Stainless Steel

ASTM A967, Practice D²;
FED SPEC QQ-P-35-C, Section 4.4.2.2
(*Superseded September 1998*)¹;
MIL-STD-753C, Method 102
(*Cancelled September 1998*)¹;
SAE AMS-QQ-P-35, Section 4.4.2.2
(*Superseded September 1998*)¹;
AMS2700, Section 3.2.1.3.1

Humidity Tests

ASTM A380, Section 7.2.5.2, A967, Practice B², D1735;
Delphi DX900159;
GM 4465P (*Inactive January 2011*)¹;
GMW14729;
SAE AMS-QQ-P-35, Section 4.4.1.2
(*Superseded September 1998*)¹;
AMS2700, Section 3.2.1

Test Technology:

Test Methods:

Oxalic Acid Test

MIL-DTL-13924, Section 4.4.2;
SAE AMS2485, Section 3.3.3

pH Aqueous Solution

ASTM E70

Salt Spray

ASTM B117;
DIN 50021;
GM 4298P (*Superseded December 2010*)¹;
GMW3286, Section 7.2;
ISO 9227;
JDM F15 Section 2.0, F22 Section 3.4;
SAE AMS 2700, Section 3.2.1.3.2;
SAE /USCAR-1

Smut Test

GM 4347M, Section 3.8 (*Inactive March 2011*)¹;
MIL-DTL-13924, Section 4.4.1;
SAE AMS2485, Section 3.3.1;

Tape Adhesion Test

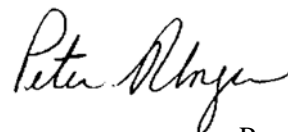
GM 9071P (*Superseded August 2002*)¹;
GMW14829

Torque & Torque Tension
(Up to 300 ft lb)

Chrysler PS-80, Section 5.1.6;
Ford WZ101;
GM 4435M, Section 3.8 (*Inactive March 2011*)¹;
GM 7111M, Section 1.3 (*Superseded February 2010*)¹;
GMW3359, Section 3.1.4.9,
GMW3179, Section 3.8,
GMW14100, Section 3.9;
SAE/USCAR-10, Section 11

¹*This laboratory's scope contains inactive, withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.*

²*When Practice is used above, it refers to a test method/ procedure.*





Accredited Laboratory

A2LA has accredited

SWD, INC.

Addison, IL

for technical competence in the field of

Chemical 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 24th day of November 2015.

A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 0951.01
Valid to November 30, 2017

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