



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, 2013

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 Weight

Chrysler PS-80, LP461J;  
GMW 3179, Section 3.3.2;  
MIL-DTL-16232 G, Section 4.7.3;  
AMS-2481, Section 3.4.3;  
GM 4435M, Section 4.2 (*Inactive March 2011*)\*;  
GM 6035M, Section 4.2 (*Inactive March 2011*)\*

Coating Thickness Electromagnetic

ASTM B499, E376;  
ISO 10683, Section 8.4

Copper Sulfate Test for Surface Passivation  
of Stainless Steel

SAE AMS 2700, Section 3.2.1.3.1;  
ASTM A967, Practice D;  
FED SPEC QQ-P-35-C, Section 4.4.2.2,  
(*Superseded September 1998*)\*;  
MIL-STD-753C, Method 102 (*Cancelled September 1998*)\*;  
AMS-QQ-P-35, Section 4.4.2.2 (*Superseded September 1998*)\*

Smut Test

MIL-DTL 13924, Section 4.4.1;  
AMS 2485, Section 3.3.1;  
GM 4347M, Section 3.8 (*Inactive March 2011*)\*

Salt Spray

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GM 4298P (*Superseded December 2010*)\*

pH Aqueous Solution

ASTM E70

(A2LA Cert. No. 0951.01) 10/19/11

page 1 of 2

**Test Technology:**

Torque & Torque Tension  
(Up to 300 ft lb)

Humidity Tests

Oxalic Acid Test

Tape Adhesion Test

**Test Methods:**

Ford S-442, WZ101;  
GMW 3359, Section 3.1.4.9;  
GMW 3179, Section 3.8;  
GMW 14100, Section 3.9;  
Chrysler PS-80, Section 5.1.6;  
SAE/USCAR-10, Section 11;  
GM 4435M, Section 3.8 (*Inactive March 2011*)\*;  
GM7111M, 1.3 (*Superseded February 2010*)\*

ASTM A380, Section 7.2.5.2;  
ASTM A967, Practice B;  
GMW 14729;  
SAE AMS 2700, Section 3.2.1;  
Delphi DX900159;  
GM 4465P (*Inactive January 2011*)\*;  
AMS-QQ-P-35, Section 4.4.1.2 (*Superseded September 1998*)\*

AMS 2485, Section 3.3.3;  
MIL DTL 13924, Section 4.4.2

GM 9071P;  
GMW 14829

*\* This laboratory's scope contains inactive, withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.*

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



The American Association for Laboratory Accreditation

World Class Accreditation

# 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 19<sup>th</sup> day of October 2011.



  
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Peter Abney

President & CEO  
For the Accreditation Council  
Certificate Number 0951.01  
Valid to November 30, 2013

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