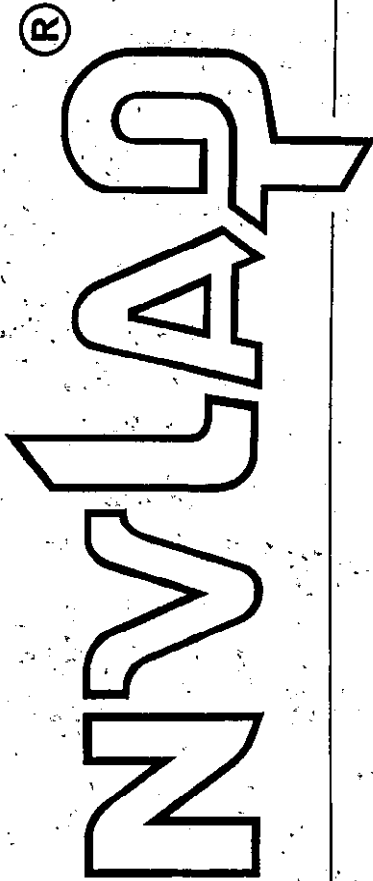


United States Department of Commerce  
National Institute of Standards and Technology



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## Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 200230-0

**Wolverine Plating Corp.**  
Roseville, MI

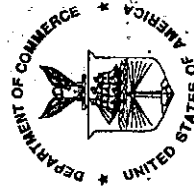
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### **FASTENERS AND METALS**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-01-01 through 2012-12-31

Effective dates



*David F. Alderman*

For the National Institute of Standards and Technology



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Wolverine Plating Corp.**  
 29456 Groesbeck Highway  
 Roseville, MI 48066-1943  
 Mr. Kenneth Wrobel  
 Phone: 586-771-5000 x219 Fax: 586-771-5830  
 E-Mail: ken@wolverineplating.com  
 URL: http://www.wolverineplating.com

**FASTENERS AND METALS**

**NVLAP LAB CODE 200230-0**

*NVLAP Code Designation / Description*

**Mechanical and Physical Testing and Inspection**

**Adhesion**

*Adhesion of metallic coatings on fasteners*

- FA/143      ASTM B571  
Standard Test Methods for Adhesion of Metallic Coatings
- FB/1363      GMW 3044  
Zinc Plating - Heat Quench Test
- FB/1364      GMW 4700  
Zinc Alloy Plating - Heat Quench Test

**Coating**

*Measurement of fastener coating thickness - X-ray methods*

- FA/556      ASTM B568  
Measurement of Coating Thickness by X-ray Spectrometry
- FB/1358      GM 4260P  
Measuring Thickness of Electrodeposits

2012-01-01 through 2012-12-31

*Effective dates*

*David F. Alderman*

*For the National Institute of Standards and Technology*



**National Voluntary  
Laboratory Accreditation Program**



**FASTENERS AND METALS**

**NVLAP LAB CODE 200230-0**

*NVLAP Code Designation / Description*

**Corrosion**

*Salt spray testing of fasteners*

- |         |  |
|---------|--|
| FA/166  | ASTM B117<br>Standard Test Method of Salt Spray (Fog) Testing  |
| FA/569  | JIS Z2371<br>Methods of Neutral Salt Spray Testing   |
| FB/1359 | GM 4298P<br>Salt Spray Test  |
| FB/1360 | GME GMI 60206<br>Determination of Resistance to Corrosion of Automotive Components by Salt Spray Fog Testing |
| FB/1361 | DIN 50021<br>Spray Tests with Different Sodium Chloride Solutions  |
| FB/1362 | SAE/USCAR-1<br>Salt Spray Testing and Evaluation of Fastener Finishes  |

2012-01-01 through 2012-12-31

*Effective dates*

*David F. Alderman*

*For the National Institute of Standards and Technology*