



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ACCU LABS, INC.  
4831 S. Whipple Street  
Chicago, IL 60632  
Chris Vallangeon Phone: 773 523 3100

CHEMICAL

Valid To: June 30, 2017

Certificate Number: 2558.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on plating bath solutions and waste water:

Plating Bath and Product Analysis

Titration

Metals in Plating Solutions by Complexometric Titration	Accu-Labs Plating Analysis Manual, Complexometric Procedures
Additives and other Constituents in Plating Solutions by Titration	Accu-Labs Plating Analysis Manual, Titration Procedures

Physical

Surface Tension	EPA Method 306B Determination of Surface Tension
Specific Gravity	ASTM D891 for Specific Gravity, Method A
Sulfate by Centrifuge	Accu-Labs SOP 580
Hull Cell Analysis	Accu-Labs SOP 900

Plating Bath Analysis and Environmental Testing

Metals by Atomic Absorption Flame	Aluminum: EPA 202.1; SM 3500
	Cadmium: EPA 213.1; SM 3500
	Chromium: EPA 218.1; SM 3500
	Cobalt: EPA 219.1; SM 3500
	Copper: EPA 220.1; SM 3500
	Iron: EPA 236.1; SM 3500
	Lead: EPA 239.1; SM 3500
	Nickel: EPA 249.1, 7520; SM 3500

Metals by Atomic Absorption Flame (continued)

Silver: EPA 272.1, 7760; SM 3500  
Tin: EPA 282.1, 7870; SM 3500  
Zinc: EPA 289.1, 7950; SM 3500  
Bismuth: SM 3500  
Selenium: SM 3500  
Silicon: SM 3500

Environmental Testing

CN by Spectrophotometry

SM 4500 CN- Cyanide

EPA 335.2 & EPA 9014 Cyanide Titrimetric & Manual Spectrophotometry

EPA 9010C Cyanide Distillation

Oils & Grease

EPA Method 1664 Hexane Extraction Method  
Standard Method 5520 Oil & Grease

pH

ASTM E70 pH of Aqueous Solutions with Glass Electrode

SM 4500H+ pH Measurement  
SM 9040C pH Electro Measurement

Material Corrosion Testing (Material Conditioning and Visual Examination)

Corrosion & Salt Spray

ASTM B117 Practice for Operating Salt Spray (Fog)

ISO 9227:2006(E) Neutral Salt Spray

MIL-DTL-81706, Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys, par. 4.5.1

MIL-DTL-5541 Chemical Conversion Coatings on Aluminum and Aluminum Alloys, par. 4.4.1

Delphi Specification Delphi DX900158

Hexavalent Chromium Spot Test

ISO 3613, par. 5.5



## *Accredited Laboratory*

A2LA has accredited

**ACCU LABS INC.**

*Chicago, 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 laboratory also meets the requirements of any additional program requirements in the Chemical field. 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 27<sup>th</sup> day of July 2015.

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

President & CEO  
For the Accreditation Council  
Certificate Number 2558.01  
Valid to June 30, 2017

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