



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ACCU LABS INC.
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Chicago, IL 60632
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CHEMICAL

Valid To: June 30, 2021

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:

<u>Test</u>	<u>Test Method(s)</u>
Plating Bath and Product Analysis	
Additives and Other Constituents in Plating Solutions by Titration	Accu-Labs Plating Analysis Manual, Titration Procedures
Metals in Plating Solutions by Complexometric Titration	Accu-Labs Plating Analysis Manual, Complexometric Procedures
Physical	
Hull Cell Analysis	Accu-Labs SOP 900
Specific Gravity	ASTM D891 for Specific Gravity, Method A
Sulfate by Centrifuge	Accu-Labs SOP 580
Surface Tension	EPA Method 306B Determination of Surface Tension
Plating Bath Analysis and Waste Water	
<u>Metals by Atomic Absorption Flame:</u>	
Aluminum	EPA 202.1; SM 3111B; SM 3500-Al
Bismuth	SM 3111B; SM 3500-Bi
Cadmium	EPA 213.1; SM 3111B; SM 3500-Cd
Chromium	EPA 218.1; SM 3111B; SM 3500-Cr
Cobalt	EPA 219.1; SM 3111B; SM 3500-Co
Copper	EPA 220.1; SM 3111B; SM 3500-Cu
Iron	EPA 236.1; SM 3111B; SM 3500-Fe
Lead	EPA 239.1; SM 3111B; SM 3500-Pb
Nickel	EPA 249.1, 7520; SM 3111B; SM 3500-Ni
Selenium	SM 3111B ; SM 3500-Se
Silicon	SM 3111B ; SM 3500-Si
Silver	EPA 272.1, 7760; SM 3111B; SM 3500-Ag
Tin	EPA 282.1, 7870; SM 3111B; SM 3500-Sn
Zinc	EPA 289.1, 7950; SM 3111B; SM 3500-Zn

<u>Test</u>	<u>Test Method(s)</u>
Waste Water	
Cyanide by Spectrophotometry	SM 4500 CN- Cyanide C&D; EPA 335.2 & EPA 9014 Cyanide Titrimetric & Manual Spectrophotometry; EPA 9010C Cyanide Distillation
pH	ASTM E70 pH of Aqueous Solutions with Glass Electrode; SM 4500H+ pH Measurement; SM 9040C pH Electro Measurement
<u>Material Corrosion Testing (Material Conditioning and Visual Examination)</u>	
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 17025:2017 *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 2nd day of July 2019

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2558.01
Valid to June 30, 2021

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