



# Accredited Laboratory

A2LA has accredited

## SCIENTIFIC CONTROL LABORATORIES, INC

Chicago, IL

for technical competence in the field of

### Mechanical 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 8<sup>th</sup> day of October 2019

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0556.01  
Valid to October 31, 2021

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SCIENTIFIC CONTROL LABORATORIES, INC.  
3158 South Kolin Avenue  
Chicago, IL 60623  
Ms. Linda Kenny Phone: 773 254 2406

MECHANICAL

Valid To: October 31, 2021

Certificate Number: 0556.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on aircraft and automotive components; coatings; metals & alloys; tools and toys<sup>1</sup>:

<u>Test</u>	<u>Test Method(s)<sup>1</sup></u>
<i>Environmental simulation</i>	
Acetic Acid	ASTM G85 (Annex A1)
Corrosion Creepback	ASTM D1654
Humidity	ASTM D1735, D2247
Salt Spray/CASS	ASTM B117, B368 (CASS); ISO 9227
<i>Metallography</i>	
Coating Thickness	ASTM B487, B499; ISO 1463
Discontinuities in Chromium Plating	ASTM B456 (Appendix X4 and X5)
Micro-Hardness	ASTM B578, E384
Knoop (25, 50, 100, 500) gf	
Vickers (25, 50, 100, 500, 1000) gf	
Nickel Phosphorus Coatings on Metal	ASTM B733 (Sections 7.3.2, 9.1.1)
Coatings of Gold	ASTM B488 (Sections 9.1, 9.2); MIL-G-45204C (Sections 4.5.3, 4.5.7)
Coating Weight	ASTM B137, B767; MIL-A-8625F
Coating Adhesion	ASTM B571 (Sections 3, 7, 8, 9)
Coating Seal Quality of Anodic Coatings	ASTM B680
Pencil Hardness	ASTM D3363
Solderability	ASTM B678
Step Test	ASTM B764, B504
Tape Adhesion	ASTM D3359

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<u>Test</u>	<u>Test Method(s)<sup>1</sup></u>
Zinc-Nickel Alloy Coated on Steel	ASTM E1659
Taber Abrasion	ASTM D4060
Hexavalent Chromium Analysis	ASTM D6492; Delphi DX900359; GMW3034; ISO 3613
<i>Chemical</i>	
Lead in Paint and Similar Coatings	16 CFR 1303; CPSC-CH-E1003-09, CPSC-CH-E1003-09.1; AOAC 974; ASTM E1613; ASTM E1645
Lead in Children's Metal Products	16 CFR 1303; CPSC-CH-E1001-08.3
Soluble Metals from Toys (As, Ba, Cd, Cr, Pb, Sb, Se, Hg)	ASTM F963-16-(Sections 4.3.5.1 and 4.3.5.2)
Plating Solutions:	
Flame AA:	SCL Plating Analysis Manual, modified SM 3111B
Titration; Metals and Additives	SCL Plating Analysis Manual, Titration procedures

<sup>1</sup> The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at <http://www.cpsc.gov/cgi-bin/labsearch/>.

