



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: October 31, 2025

Certificate Number: 556.01

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 toys¹:

<u>Test</u>	<u>Test Method(s)¹</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 Knoop (25, 50, 100, 500) gf Vickers (25, 50, 100, 500, 1000) gf	ASTM B578, E384
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, and 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
Zinc-Nickel Alloy Coated on Steel	ASTM E1659

<u>Test</u>	<u>Test Method(s)¹</u>
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

¹ 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/>.