



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Stolk Labs, Inc.

1711 Analog Drive, Richardson, TX 75081

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Chemical, Dimensional, Mechanical and Surface Analysis using
Non-Destructive Testing
(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

January 10, 2018

Issue Date:

May 22, 2023

Expiration Date:

August 31, 2025

Accreditation No.:

96687

Certificate No.:

L23-401

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Stolk Labs, Inc.

1711 Analog Drive, Richardson, TX 75081
Contact Name: David Stolk Phone: 972-325-1463

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical ^F	Aluminum and its Alloys	Chemical Composition via Optical Emission Spectroscopy (OES)	ASTM E1251	0.000 1 % to 100 %
	Iron and its Alloys	Chemical Composition via OES	ASTM E1086, E415	0.000 01 % to 100 %
	Nickel Alloys		ASTM E3047	
	Metals/Ceramics/Sands/Glass	Carbon & Sulfur Content by Combustion	ASTM E1019	Carbon: 4 ppm to 3.5 % Sulfur: 4 ppm to 0.4 %
	Organic Materials/Plastics/Polymers	Fourier Transform Infrared Spectroscopy (FTIR)	ASTM E1252, E573, D2702	7 400 cm ⁻¹ to 350 cm ⁻¹
		Micro-FTIR	ASTM E334	7 400 cm ⁻¹ to 600 cm ⁻¹
	Aqueous Solutions	pH Test	ASTM E70	Up to 14 pH
	Plastics/soil/rock	Moisture Content	ASTM D6980, D2216	50 ppm
	Plastics	Ash Content	ASTM D5630	0.01 % ash levels
	Metals	Zinc Coating Weight	ASTM A90/A90M	5 % zinc coating to 100 % zinc coating
		Elemental Composition via Wavelength Dispersive Spectroscopy (WDS)	ASTM E1621	0.000 1 % to 100 %
		Semi-Quantitative Elemental Compositions via Energy Dispersive X-Ray Spectroscopy (EDS)	ASTM E1508	0.04 % to 100 % D.L= 0.01 %
	Polymers	Thermal Analysis using Differential	ASTM D3418	-50 °C to 400 °C
		Scanning	ASTM E1356	
		Calorimetry (DSC)	ISO 11357	
Non-Destructive ^F	Metals	Critical Dimension Measurement, Elemental Dot Mapping, Phase Analysis, Line Scanning, Hail Damage Analysis via Scanning Electron Microscopy (SEM)	ASTM B748	8 X to 30 000 X 0.001 µm to 16 mm
Mechanical ^F	Plastics/Metallic Materials	Rockwell Hardness	ASTM A370, D785, E18	0.1 HR
	Metallic Materials	Brinell Hardness	ASTM E10, A370	2 HBW to 945 HBW D.L = 0.01 HBW
		Light Load Brinell Hardness	ASTM E103	2 HBW to 945 HBW D.L = 0.001 HRBW
	Metals and other materials	Knoop or Vickers Microhardness	ASTM E384	100 HK to 940 HK or HV D.L = 0.1 HK or HV
	Plastics and Rubber	Durometer Hardness	D2240	Up to 100 HSA D.L = 0.5 HSA
	Metals, Plastics and Welds	Bend Test	ASTM E290, E190	Up to 60 000 lb D.L = 1 lb
	Metals	Compression Test	ASTM E9	Up to 120 000 lb D.L = 1 lb



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Mechanical ^F	Metals, Plastics	Tension/Tensile Test	ASTM E8/E8M, B557, D638	Up to 120 000 lb D.L = 1 lb
	Metals, Plastics, Adhesives	Shear Test	ASTM D1002, B769, D3846, D3983	Up to 60 000 lb D.L = 0.1 psi
	Steel, Fasteners	Proof Load	ASTM A370, F606/F606M	Up to 120 000 lb D.L = 1 lb
	Metals	Sub-Size Tensile Test	ASTM E8/E8M	Up to 120 000 lb D.L = 0.001 lb
	Plastics/Polymers	Flexure Test	ASTM D790, D7264/D7264M	Up to 250 lb D.L = 0.001 lb
	Coatings	Finish Adhesion	ASTM D3359	N/A
	Metals	Impact Test	ASTM E23	Up to 240 ft·lb D.L = 0.5 ft·lb
		Average Grain Size	ASTM E112	Up to 10 D.L = 0.05
		Inclusion Content	ASTM E45	Up to 1 000 X D.L = 1.0 X
		Ferrite Count	ASTM A800/A800M, E562	N/A
		Intergranular Corrosion	ASTM A262	Up to 150 g D.L = 0.001 g
		Sensitization (Intergranular Attack)	ASTM A262, A763	Up to 160 g D.L = 0.001 g
	Steel	Decarburization	ASTM E1077, F2328	10 X to 1 000 X
	Metals	Micro Examination	ASTM E3	Up to 50 000 X D.L = 1 µm
		Mount/Polish	ASTM E3	N/A
		Macro-etch	ASTM E340	N/A
	Metallic and Inorganic Coatings	Thickness Measurements	ASTM B659	0.1 in to 0.05 in D.L = 0.1 in
	Metals	Visual Examination	ASTM A802, A997	5 X to 3 000 X
	Adhesives, Metals, Plastics	Temperature/Humidity Testing	ASTM D1151, D1183, D1748, D2126, D6670	-230 °F to 2 400 °F 0 % RH to 100 % RH
	Nonmetallic, Plastics, Paint, Coatings	UV Testing	ASTM G154, D4329, D4587	N/A
	Metals, Tile, Panels	Salt Spray	ASTM B117, C635/C635M	Up to 5 000 g/hr D.L = 1 g
	Metals	Copper-Accelerated Acetic Acid – Salt Spray (CASS) Testing	ASTM B368	0 g/hr to 5 000 g/hr D.L = 0.5 g
Dimensional Inspection ^F	Plastics and Metals	Physical Dimensions	ASTM D5947, D2122, A1087	Up to 12 in D.L = 0.005 in



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Accreditation is granted to the facility to perform the following testing:

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer ^F would mean that the laboratory performs this testing at its fixed location.

