



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Cortec Laboratories, Inc.
4119 White Bear Parkway, St. Paul, MN 55110

*(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):

Mechanical 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:

September 07, 2023

Issue Date:

September 07, 2023

Expiration Date:

September 30, 2025

Accreditation No.:

116482

Certificate No.:

L23-670

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

Cortec Laboratories, Inc.

4119 White Bear Parkway, St. Paul, MN 55110
Contact Name: Mr. Boris Miksic Phone: 651-429-1100

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 |
|-------------------------|--|---|--|---|
| Mechanical ^F | Coated and packaged samples | The practice covers the basic principles and operating procedures for testing water resistance of coatings in an apparatus similar to that used for salt spray testing. | ASTM D1735 | Not applicable |
| | Coatings, Lubricants | The rust preventive properties of metal preservatives under conditions of high humidity. | ASTM D1748 | |
| | Coated and packaged samples | The practice covers the apparatus, procedure, and conditions required to create and maintain the salt spray (fog) test environment. | ASTM B117 | |
| | Powders, Liquids, Coated Materials, Plastics | Vapor Inhibiting Ability (VIA) | CC-027 | Up to 3 grades |
| | Powders, Liquids, Coated Materials, Plastics | Vapor inhibiting Ability (VIA), | NACE TM 0208-2018 | Up to 3 grades |
| | Water Based Electrolytes | The guide covers and describes the factors that influence laboratory immersion corrosion tests, particularly mass loss tests. | ASTM G31 | 0.001 g |
| | Coatings, Lubricants | Electrochemical Polarization Measurements | CC-030 | E _{corr} : -5V to 5V R _p : 1-∞ ohm |
| | Solids, Liquids | Vapor-Phase Rust-Preventing Characteristics of Hydraulic Fluids | ASTM D5534 | Pass/Fail |
| | Solids, Liquids | Rust- Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water | ASTM D665 | |
| | Coatings | Rating Adhesion by Tape Test | ASTM D3359 | Up to 5A |
| | Coatings | Pull-Off Strength of Coatings on Concrete Using Portable Pull-Off Adhesion Testers | ASTM D7234 | From device |
| | Solid, Liquid | Corrosion Inhibiting Admixtures for Steel in Concrete by Polarization Resistance in Cementitious Slurries | ASTM G180 | E _{corr} : -5V to 5V R _p : 1-∞ ohm-cm ² |
| | Liquid | Iron Chip Corrosion for Water-Miscible Metalworking Fluids | ASTM D4627 | Dilution: Up to 10 % "Breaking point": 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 7, 10 % Mass: 0.001 g |



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|-------------------------|-------------------------------------|---|--|---|
| Mechanical ^F | Powder, Liquid, Film | Fourier Transform Infrared (FTIR) | CC-006 | Transmission: Up to 100 % vs wavenumber (cm ⁻¹) Step: 0.5 cm ⁻¹ |
| | Powder, Liquid, Film | Ultra-Violet Visible (UV Vis) Spectroscopy | ASTM E169 | Absorbance vs wavelength (nm) Step: 0.5 nm |
| | Liquid, Film | Flash Point by Pensky-Martens Closed Cup Tester | ASTM D93 | 40 °C to 370 °C Thermometer variable |

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.

