



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Future Labs, LLC
124 Lone Wolf Drive, Madison, MS 39110

(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 and 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

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

Initial Accreditation Date:

July 07, 2020

Issue Date:

September 01, 2024

Expiration Date:

September 01, 2026

Accreditation No.:

80918

Certificate No.:

L24-668

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

Future Labs, LLC

124 Lone Wolf Drive, Madison, MS 39110
 Contact Name: Mr. David Entrekin Phone: 601-855-7407

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

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	
F1, F2	Chemical ^F	Thermoplastic Pavement Marking Material	Sampling	ASTM D7307	Thieving Splitting	
F1, F2			Thermoplastic Pavement Marking Material	AASHTO T250 sec 3		
F1, F2			Sample Meltdown & Preparation	ASTM D7308 AASHTO T250 sec 4	Sample Melting and Fabrication	
F1, F2			Binder Content	ASTM D4797 AASHTO T250 sec 5 AASHTO M249 4.2 Table 1	Ashing (Gravimetric Analysis)	
F1, F2			Glass Bead Content	ASTM D4797 AASHTO T250 sec 6 AASHTO M249 4.2 Table 1	Extraction (Gravimetric Analysis)	
F1, F2			Titanium Dioxide Determination	ASTM D5381 ASTM D4764 AASHTO T250 sec 9 AASHTO M249 sec 4.2	X-Ray Fluorescence Spectroscopy	
F1, F2			Heavy Metal Content	ASTM F2617 ASTM F2980	X-Ray Fluorescence Spectroscopy	
F1, F2	Mechanical ^F	Thermoplastic Pavement Marking Material and Glass Beads / Retroreflective Optics	Glass Bead Grading Analysis	ASTM D7681 ASTM D7971 AASHTO T250 sec 7 AASHTO R 98 AASHTO M249 sec 3.1.4	Digital Particle Size and Shape Analysis	
F1, F2			Thermoplastic Pavement Marking Material	Drying Time / set time	AASHTO M249 sec 4.3.2	No-Pick-Up
F1, F2			Thermoplastic Pavement Marking Material	Reflectance, Color, Yellowness Index	ASTM D4960 ASTM E1349 ASTM E313 ASTM D1925 AASHTO T250 sec 8 AASHTO M249 sec 4.3.1 & 4.3.7	Spectrophotometry – Bidirectional Geometry
F1, F2			Thermoplastic Pavement Marking Material	Flowability	AASHTO T250 sec 11 AASHTO M249 sec 4.3.6	Flowability Stand
F1, F2			Thermoplastic Pavement Marking Material	Low Temperature Stress Resistance	AASHTO T 250 sec 12 AASHTO M 249 sec 4.3.3	Thermal Cycle
F1, F2			Thermoplastic Pavement Marking Material	Bond Strength	ASTM D4796 AASHTO T 250 sec 13	Tensile Bond Tester
F1, F2			Thermoplastic Pavement Marking Material	Impact Strength	ASTM D256 ASTM D4812 ASTM D8160 AASHTO T 250 sec 14 AASHTO M 249 sec 4.3.4	IZOD Pendulum Impact



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F1, F2	Mechanical ^F	Thermoplastic Pavement Marking Material	Ring & Ball Softening Point	ASTM D36 ASTM E28 ASTM D6493 AASHTO T 250 sec 15 AASHTO M 249 sec 4.3.5	Softening Point Apparatus
F1, F2			Specific Gravity	ASTM D792, Method A AASHTO T 250 sec 16 AASHTO M 249 sec 4.1	Archimedes' Principle
F1, F2			Flowability (Percent Residue) Extended Heating	AASHTO T 250 sec 17 AASHTO M 249 sec 4.3.8	Flowability Stand
F1, F2			Ultraviolet Light and Condensate Exposure	ASTM G154 AASHTO T 250 sec 18	QUV Accelerated Weathering
F1, F2			Hardness	ASTM D7735 ASTM D2240 AASHTO T 250 sec 19	Durometer Hardness
F1, F2			Flash Point	ASTM D92 - Modified AASHTO T 250 sec 20	Cleveland Open Cup (Stirred)
F1, F2			Glass Beads / Retroreflective Optics / Aggregate	Roundness / Shape	ASTM D7971 AASHTO R 98 AASHTO T 346 sec 6
F1, F2		Glass Beads / Retroreflective Optics	Refractive index	ASTM C1648 sec 6 AASHTO T 346 sec 7	Becke Line Method
F1, F2		Flow Characteristics – Funnel / H ₂ SO ₄	Moisture Resistant Coating – Funnel / beaker	AASHTO T 346 sec 8 AASHTO M 247 sec 4.4	Funnel Flow
F1, F2			Flotation Test - Xylene	AASHTO T 346 sec 10 AASHTO M 247 sec 4.4	
F1, F2		Adherence Coating Oven Test – Dansyl Chloride	AASHTO T 346 sec 11 AASHTO M 247 sec 4.4	Fluorescence – Longwave UV	
F1, F2		Alternative Flotation Test – Hexadecane	AASHTO T 346, sec 12 AASHTO M 247, sec 4.4	Hexadecane Drops	
F1, F2		Alternative Moisture Resistance Coating Test	AASHTO T 346, sec 13 AASHTO M 247, sec 4.4	Distilled Water Drops	
F1, F2		Alternative Adherence Test – Dansyl Chloride	AASHTO T 346, sec 14 AASHTO M 247, sec 4.4	Fluorescence – Longwave UV	



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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.
2. Flex Code:
 - F0-Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
 - F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
 - F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
 - F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
 - F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
 - F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

