



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***MicroVision Labs, Inc.***  
***187 Billerica Road, Chelmsford, MA 01824***

*(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):

***Analytical Microscopy and Chemical 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:*

June 29, 2019

*Issue Date:*

August 7, 2021

*Expiration Date:*

October 31, 2023

*Accreditation No.:*

98218

*Certificate No.:*

L21-483

*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.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## MicroVision Labs, Inc.

187 Billerica Road, Chelmsford, MA 01824  
Contact Name: John Knowles Phone: 978-250-9909

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 |
|------------------------------------|--|--|--|---|
| Analytical Microscopy <sup>F</sup> | Particles, Nanoscale Particles, Bulk Materials, Biomedical Products, Semiconductors, MEMS Devices, Membranes | SEM, FE-SEM, Morphology, and Dimensions  | ASTM E766, MVL 01, MVL 04, MVL 5, MVL 07         | 15 X to 500 000 X                             |
|                                    | Particles, Dust, Fibers, Soot, Coal, Coal Ash  | LM, PLM, Morphology, and Optical Properties  | ASTM PDF-STP47926S, MVL 02, MVL 05, MVL 07       | 15 X to 1 800 X                               |
| Chemical <sup>F</sup>              | Particles, Bulk Materials, Coal, Coal Ash, Lead Paint, Soot, Slag  | EDS, Semi-Quantitative Elemental Analysis, Compositional Analysis and Elemental Maps | ASTM E1508, MVL 04, MVL 05, MVL 07, MVL 09       | 0.1 % to 1 %                                  |
|                                    | Polymers, Oils, Grease, Organic Compounds, Membranes   | Micro-FTIR   | ASTM E1252, MVL 07, MVL 21                       | Qualitative                                   |

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