



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MVA SCIENTIFIC CONSULTANTS, INC.  
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CHEMICAL

Valid To: November 30, 2017

Certificate Number: 2096.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform materials analyses, characterizations and failure investigation on building materials, particles, fibers, pharmaceuticals, coatings, chemicals, medical devices, adhesives, ceramics and related products, paints and pigments, polymer additives, lubricants, solvents, plastics, polymers and resins, rubbers and elastomers, textiles, paper and pulp products, electronic devices, glass, food products, cosmetic products, detergents and soaps, metals and other metal related products, soil, sand and clay, ores and minerals, asbestos, environmental samples, dust, air samples, composite materials, packaging materials, machinery parts, automotive components and fasteners using national and international recognized standard methods and internally developed methods for the test technologies listed below:

**TEST TECHNOLOGIES**

**TEST METHODS**

*Electron Microscopy*

Energy Dispersive X-ray Spectroscopy (EDS)	Thermo Scientific; Noran Manuals; Oxford Manuals; MVA SOP 222, 224, 226, 316 <sup>1</sup> , 322
Scanning Electron Microscopy (SEM)	JEOL Manuals; MVA SOP 203, 226, 227, 316 <sup>1</sup> , 318 <sup>1</sup> , 322; EPA Method 5 <sup>1</sup>
Selected Area Electron Diffraction (SAED)	Philips Manual; MVA SOP 222, 224
Transmission Electron Microscopy (TEM)	Philips Manuals; Oxford Manuals; MVA SOP 222, 224, 232; ASTM D5755; EPA 600/R-93/116; EPA 600/4-83-043; NIOSH 7402

**TEST TECHNOLOGIES**

**TEST METHODS**

*Light Microscopy*

Brightfield / Darkfield Microscopy

Zeiss Manual;  
MVA SOP 220

Interference Microscopy (SWLIM)

Wyko NT9100 Manual;  
MVA SOP 228

Phase Contrast Microscopy (PCM)

Nikon Manual;  
MVA SOP 214;  
NIOSH 7400

Polarized Light Microscopy (PLM)

Olympus Manual; Aus JenaPol Manual;  
Nikon Manual;  
MVA SOP 207, 208, 212;  
EPA 600/R-93/116

*Spectroscopy*

Confocal Raman Microscopy

WITec Manual;  
MVA SOP 225, 231

Fourier Transform Infrared Spectroscopy /  
Microspectroscopy (FTIR / Micro FTIR)

SensIR Manual;  
MVA SOP 223

*Asbestos Analysis*

Polarized Light Microscopy (PLM)

EPA 600/R-93/116

Phase Contrast Microscopy (PCM)

NIOSH 7400

Transmission Electron Microscopy (TEM)

ASTM D5755;  
EPA 600/R-93/116; EPA 600/4-83-043;  
NIOSH 7402

*Miscellaneous Analyses*

Dimensional Analysis

JEOL Manuals;  
Noran Manuals;  
MVA SOP 203, 226, 227, 316, 318, 322

Particle Size Analysis

MVA SOP 316, 318, 322;  
EPA Method 5<sup>1</sup>

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<sup>1</sup> Analysis of particulate samples collected using EPA Method 5; sample collection is not included in the scope.





## Accredited Laboratory

A2LA has accredited

### **MVA SCIENTIFIC CONSULTANTS INC.**

*Duluth, GA*

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 22<sup>nd</sup> day of September 2015.

A handwritten signature in black ink, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 2096.01  
Valid to November 30, 2017  
Revised October 31, 2017

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*