



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MICROMERITICS ANALYTICAL SERVICES (MAS)

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MECHANICAL

Valid To: December 31, 2016

Certificate Number: 3636.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests for physical characterization of solid and powder materials in conformance with the U.S. FDA Good Laboratory Practice (GLP) Regulations per 21 CFR 58:

<u>Test</u>	<u>Test Method</u>
Particle Size Analysis – Laser Diffraction Methods	ISO 13320
Determination of Particle Size Distribution by Gravitational Liquid Sedimentation Methods – Part 3: X-ray Gravitational Technique	ISO 13317-3
Determination of Particle Size Distributions – Electrical Sensing Zone Method	ISO 13319
Particle Size Analysis – Image Analysis Methods – Part 2: Dynamic Image Analysis Methods	ISO 13322-2
Particle Size Analysis – Dynamic Light Scattering (DLS)	ISO 22412
Determination of the Specific Surface Area of Solids by Gas Adsorption (BET Method)	ISO 9277
Pore Size Distribution and Porosity of Solid Materials by Mercury Porosimetry and Gas Adsorption – Part 1: Mercury Porosimetry	ISO 15901-1
Pore Size Distribution and Porosity of Solid Materials by Mercury Porosimetry and Gas Adsorption – Part 2: Analysis of Mesopores and Macropores by Gas Adsorption	ISO 15901-2
Pore Size Distribution and Porosity of Solid Materials by Mercury Porosimetry and Gas Adsorption – Part 3: Analysis of Micropores by Gas Adsorption	ISO 15901-3

Test

Test Method

Standard Test Methods for Estimating Average Particle Size of Metal Powders and Related Compounds Using Air Permeability

ASTM B330

Standard Test Methods for Estimating Average Particle Size of Alumina and Silica Powders by Air Permeability

ASTM C721

Particle Matter in Injections

USP <788>

Bulk and Tapped Density

USP <616>

Density of Solids – Gas Pycnometry for the Measurement of Density

USP <699>





American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

MICROMERITICS ANALYTICAL SERVICES (MAS)

Norcross, GA

for technical competence in the field of

Mechanical 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 9th day of February 2015.





President & CEO

For the Accreditation Council
Certificate Number 3636.01
Valid to December 31, 2016

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