



# Particle Testing Services


for Fine Powders and Solid Materials

## Providing Comprehensive Materials Characterization Services


Particle Testing Authority (PTA) provides a comprehensive range of materials characterization techniques for projects as small as a single sample to complex method development and method validation projects.

Our laboratory is a division of Micromeritics Instrument Corporation, which was established in 1962. Over the years we have worked with all types of materials and applications like batteries, pharmaceuticals, fuel cells, catalysts, carbon, biochar, petrochemicals, paper, polymers, coatings, minerals, and many others.

If your application, product, or process utilizes powders or solid materials, our laboratories can offer analytical testing that will provide you with critical information necessary to improve the efficiency of your process or for improvements to your product itself.

 Particle Size/Shape

 Thermal Analysis

 Chemisorption

 Surface Area

 Pore Volume

 Microscopy

 Density



## Objective Analytical Services and Support

As an independent contract laboratory, our highly-qualified scientists and laboratory staff will assure that your analytical results are secure, verified, and provided with unbiased accuracy.

Our support begins as you prepare to send your samples and continues after you review your results in case there is any needed discussion of the obtained data.

## Expedited Turn-Around of Results

PTA provides expedited, high-quality, sample results. With many years of experience in particle characterization, our approach is based on responsiveness and flexibility in delivering high-quality data and full reporting. A senior member of our analytical team is available to review your results and assist in interpretation of the supplied data to ensure that our results are pertinent and aligned with your project needs.

## Available Analytical Techniques:

- Particle Size Distribution
- Particulate Count
- Nanoparticle Size
- B.E.T Surface Area
- Pore Size Distribution
- Micropore Analysis
- Pore Volume Distribution
- Total Pore Volume
- Density
- Surface Energy
- Dynamic Water Vapor Sorption
- Active Surface Area
- XRD
- DSC
- TGA
- Crystallite Size
- High Pressure Adsorption
- Magnetic Content
- Zeta Potential
- Isothermic Heat of Adsorption
- Microscopy
- Method Development
- Method Validation
- Consulting Services
- Percent Metal Dispersion
- Particle Morphology
- Dynamic Powder Flow
- Powder Rheology
- Powder Shear Properties
- Powder Processing Analysis
- Powder Compressibility
- Powder Permeability

## Particle Testing Authority Accreditations:



## Why Consider Working with PTA?

Supported by globally recognized experts, you can be confident that we have the technical knowledge necessary, the experience needed, the instrumentation required, and the lab accreditations appropriate to serve your material characterization needs. So, you can confidently depend on a trusted and reliable partner with the Particle Testing Authority.

PTA works closely with each client to understand their needs, challenges, and objectives to find the best solution.

If you are new to the technology, we will work with you before the project to explain the type of data you can expect and assist in the interpretation of the results after completion of the project.

Particle Testing Authority is ISO-17025 accredited by A2LA, registered with the FDA, compliant to cGMP standards, licensed by the Georgia Board of Pharmacy, and licensed by the US DEA to handle all classes of controlled substances.

## Global Services

We have expanded our operations to meet the needs of our multinational clients. Our Shanghai, China laboratory supports our growing Chinese customer base as well as others in Asia. In addition, a testing lab in Germany provides our particle testing services for our European customers.

## Partial List of Applications and Industries Served:

- Abrasives
- Additive Manufacturing
- Adsorbents
- Aerospace
- Batteries
- Carbon
- Catalysts
- Ceramics
- Coatings
- Construction Materials
- Cosmetics
- Dental and Medical Devices
- Electronics
- Energy/Power Systems
- Environmental
- Filters and Filter Media
- Foams
- Food and Beverage
- Fuel Cells
- Geological and Soil Sciences
- Inks
- Metal and Powdered Metal
- Mining and Minerals
- Pulp and Paper
- Petrochemicals
- Pharmaceuticals
- Plastics and Polymers
- Refractory
- Semiconductors



4356 Communications Drive, Norcross, GA 30093 USA

To request a quote or additional information, please visit:  
[particletesting.com](http://particletesting.com)

To speak with a lab representative, please call:  
**770-662-3630**

Stay in touch with us:

