



Particle Testing Services


for Fine Powders and Solid Materials

Providing Comprehensive Materials Characterization Services


Particle Testing Authority provides a comprehensive range of materials characterization techniques for projects as small as one 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, chemical manufacturing, catalysts, coatings, 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 to provide you with the critical information to improve the efficiency of your process or improvements to your product itself.

 Particle Size/Shape

 Thermal Analysis

 Chemisorption

 Surface Area

 Pore Volume

 Microscopy

 Density



Objective, Analytical Service, 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 prior to receiving your sample, then extends to the discussion of the obtained data and we continue to support you even after your results have been provided.

Expedited Turn-Around of Results

We provide expedited, high quality sample results. PTA is staffed with highly trained senior scientists, lab analysts, and engineers.

With many years of experience in our test disciplines, 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 Testing Authority Accreditations:



Why should you consider working with Particle Testing Authority?

PTA is staffed by highly trained and experienced senior scientists, lab analysts, and engineers that have the technical knowledge necessary, the experience needed, the instrumentation required, and the lab accreditations appropriate to serve your material characterizations needs.

The Particle Testing Authority 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 after the project to assist in interpretation of the results.

PTA is ISO-17025 accredited by A2LA, is registered with FDA, is compliant to cGMP standards, and is licensed by the GA Board of Pharmacy and 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 new 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
- Battery
- Carbon
- Catalyst
- Ceramics
- Coatings
- Construction materials
- Cosmetics
- Dental
- Electronic
- Energy/Power systems
- Environmental
- Filter and filter media
- Foams
- Food and beverage
- Fuel cell
- Geological and soil sciences
- Ink
- Metal and powder metal industry
- Mining and minerals
- Paper and pulp
- Petrochemical
- Pharmaceutical
- Plastics and polymers
- Refractory
- Semiconductor



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To request a quote or additional information, please visit:
particletesting.com

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

Stay in touch with us:

