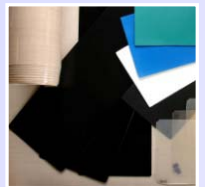


# Nanotech Analytics

*"You Make It, We Test It"*

## Comprehensive Materials Characterization and Analysis

*Specializing in Full Service  
Nanomaterials Characterization and Consultation*



Nanotech Analytics  
a division of

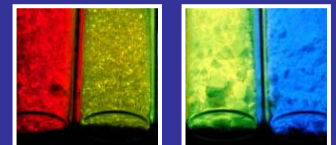


Nanotech Analytics offers comprehensive materials characterization and analysis services, specializing in the nanoscale. As a leading developer and manufacturer of nanotechnology-based materials, we are able to lend our vast experience and knowledge to our customers in analyzing and helping attain their goals. Our expertise and state-of-the-art equipment enables us to satisfy all of your testing needs with excellent precision and in a timely manner.

## Powders

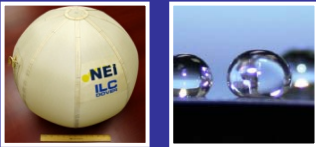
Our full powder characterization services include comprehensive physical and structural analysis of powders. Along with powder characterization, we have the capability to conduct quantitative and qualitative phase analysis of solids. These analyses include lattice parameter measurements, structural refinement, crystallite size, identification of crystalline phase and quantity.

- Particle Size Analysis
- BET Surface Area
- X-ray Diffraction
- Tap Density
- Powder Density
- TGA / DTA
- Infrared Spectroscopy
- UV-Vis Spectroscopy



# Coatings

We have an array of equipment to characterize coatings and free standing films. Our capabilities include characterization of mechanical properties (Taber, hardness), wetting behavior, optical transmission (UV to mid-IR), electrical conductivity, thickness, functional groups (using IR spectroscopy), and microstructure.

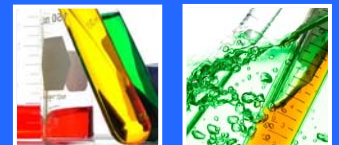


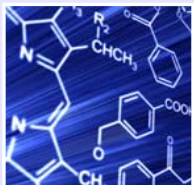
- Optical Microscopy
- Transmission (UV-IR)
- Hydrophobicity (contact angle)
- Electrical Conductivity
- Mar Testing
- Abrasion Testing
- Hardness Testing
- Adhesion Testing
- Film Thickness (wet/dry)
- Haze Testing
- Impact Testing

# Dispersions

Extensive characterization services are available for both aqueous and non-aqueous dispersions of nanomaterials. NEI has the capability to assess dispersion stability in terms of pH, electrophoretic mobility, zeta potential and viscosity. Further quantitative analysis of dispersion quality is also available, including solids content, rheology, aggregate size, optical transmission, and transmitted haze. Variations in these properties may also be determined as a function of time and/or temperature.

- Haze
- Viscosity
- Optical Transmission
- Zeta Potential
- pH Measurement
- Ion Concentration
- Solution Conductivity
- Infrared Spectroscopy
- UV-Vis Spectroscopy





## Consultation Services

Our company has vast experience with nanotechnology and materials synthesis. Our experts will gladly advise you on matters pertaining to Nanomaterials.



## Contact Us

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