



State-of-the-Art Materials Testing, Chemical Analysis and Consulting Services

At Criterion Scientific, we stand apart by designing the best, most accurate testing and experimental protocols and helping you interpret the results. Key points of difference:

- Rapid, accurate testing and analysis always delivered on time
- Protocols designed to ensure effective, meaningful results
- Rigorous quality standards
- Access to world-class resources
- Guidance provided to clients every step of the way
- Results and findings interpreted and carefully explained for clients
- Cost-effective services customized to your objectives

Laboratories | Research | Consultants

NEED OUTSIDE TESTING SERVICES?

Criterion Scientific is an independent alliance of laboratories, technical consultants and research organizations providing world-class materials testing, chemical analysis and consultancy services, delivered on time and at an affordable price. We look forward to tailoring our services to your needs.

OUR SERVICES

- Physical testing
- Chemical testing and analysis
- Metallurgical and microstructural analysis
- Failure analysis
- Thermal analysis
- Surface analysis
- Polymer analysis
- Product testing and development
- Forensic and expert witness consulting

INDUSTRIES SERVED

- Aerospace and Defense
- Biological and Pharmaceutical
- Medical Device Industries
- Plastics, Polymers and Composites
- Minerals, Metals and Alloys
- Semiconductor and Electronics
- Textile, Apparels and Footwear
- Chemical Industries
- Manufacturing Industries
- Energy and Petrochemicals
- Consumer Products and Retail
- Construction and Building Products

ANALYTICAL METHODS

- Fourier Transform Infrared Spectroscopy (FT-IR)
- X-ray Photoelectron Spectroscopy (XPS/ESCA)
- Inductively Coupled Plasma Spectroscopy (ICP-OES/MS)
- NMR Spectroscopy (NMR)
- Auger Electron Spectroscopy (AES)
- Gas Chromatography / Mass Spectrometry (GC-MS)
- Liquid Chromatography / Mass Spectrometry (LC-MS)
- High Pressure Liquid Chromatography (HPLC)
- Gel Permeation Chromatography (GPC)
- Ion Chromatography (IC)
- Wet Chemical Analysis
- Scanning Electron Microscopy (SEM-EDXS)
- Transmission Electron Microscopy (TEM)
- Scanning Probe Microscopy (SPM)
- Atomic Force Microscopy (AFM)
- Optical Microscopy
- Differential Scanning Calorimetry (DSC)
- Dynamic Mechanical Analysis (DMA)
- Melt Flow Rate Analysis (MFI)
- Thermogravimetric Analysis (TGA)
- Thermomechanical Analysis (TMA)
- Tensile and Compression Testing
- Hardness Testing
- Impact, Flexural and Compression Testing
- Viscometry and Rheometry
- Flash and Fire Point Testing
- Accelerated Weathering, Aging and Cycle Testing

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