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# Materials Characterization Services

1 to 1  
consulting

5,000+  
instruments

receive results  
within 2 weeks

>98%  
satisfaction rate





As Easy As 1.2.3



1 Inquiry



2 Ship Samples



3 Receive Data

| Characterization Services  | Instrument Model               | Cost *                |
|--|--------------------------------|-----------------------|
| X-ray Photoelectron Spectroscopy (XPS)                                     | ESCALAB 250 XI                 | From \$79/sample      |
| X-ray Fluorescence Spectroscopy (XRF)                                      | Axios                          | From \$49/sample      |
| X-ray Diffractometer (XRD)   | X'Pert PRO MPD; D8 Advance     | From \$25/sample      |
| X-ray Single Crystal Diffraction   | Bruker SMART APEX II           | From \$295/sample     |
| Ultraviolet Photoelectron Spectroscopy (UPS)                               | VG Scienta R4000               | From \$149/sample     |
| Field Emission Scanning Electron Microscope (FESEM)                        | S4800; JSM7610F                | From \$69/sample      |
| High-resolution Transmission Electron Microscopy (HRTEM)                   | JEM-2100F; FEI TF20            | From \$139/sample     |
| Atomic Force Microscope (AFM)  | ICON2-SYS                      | From \$149/sample     |
| Electron Energy Loss Spectroscopy (EELS)                                   | 977 Enfinium-ER EELS           | RFQ                   |
| Scanning Transmission Electron Microscope (STEM)                           | TF30; FEI titan themis 200 TEM | RFQ                   |
| Thermal Gravimetric Analyzer (TG)  | Q600 SDT; Netzsch STA449; Q500 | From \$59/sample      |
| Differential Scanning Calorimetry (DSC)                                    | 214-polyma; Q500               | From \$59/sample      |
| Surface Area and Porosity Analyzer( (BET)                                  | QuantachromeSI; ASAP2460       | From \$79/sample      |
| Temperature Programmed Desorption Or Reduction (TPD/TPR)                   | AutoChem2920                   | From \$99/sample      |
| Mercury Porosimetry  | AutoPore IV 9500               | From \$225/sample     |
| Solid Nuclear Magnetic Resonance (500M Solid-NMR)                          | AVANCEIIIHD500                 | From \$135/sample     |
| Liquid Nuclear Magnetic Resonance (400M Liquid-NMR)                        | Bruker Ascend400               | From \$25/sample      |
| Fourier Transform Infrared Spectrometer (FTIR)                             | Perkin-Elmer                   | From \$49/sample      |
| High Resolution Raman Spectrometer   | Renishaw 2000; Renishaw inVia  | From \$75/sample      |
| Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-OES)          | Perkin Elmer                   | From \$59/element     |
| Ultraviolet Spectrometer   | Cary5000                       | From \$55/sample      |
| Steady State Transient Fluorescence Spectrometer                           | FLS980; FLS920                 | RFQ                   |
| High Resolution Mass Spectrometry (MS)                                     | 6540TOF                        | From \$89/sample      |
| Matrix Assistant Laser Desorption Ionization-Mass Spectrometry (MALDI-TOF) | AB Sciex                       | From \$135/sample     |
| Gas Chromatograph-Mass Spectrometry (GC-MS)                                | GCMS QP2010 PLUS               | RFQ                   |
| Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)                      | Thermo Scientific              | From \$79/sample      |
| Thermal Gravimetric-Mass Spectrometry (TG-MS)                              | Netzsch                        | RFQ                   |
| Elemental Analyzer   | Vario MACRO cube               | From \$79/sample      |
| Dynamic Light Scattering (DLS)   | Dynapro Titan TC               | From \$79/sample      |
| Nano Indenter  | TI 950                         | RFQ                   |
| Density Analyzer   | AccuPyc 1330                   | From \$135/sample     |
| Laser Particle Size Analyzer   | Mastersizer 3000               | From \$69/sample      |
| Thermal Conductivity Analyzer  | LFA 447 Nanoflash              | From \$95/temperature |
| Contact Angle Analyzer   | JY-82B                         | From \$35/sample      |

\* Minimum order requirement: at least \$250 per order.