

MATERIALS CHARACTERIZATION SERVICES



**1 to 1
Consulting**



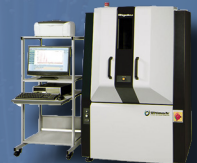
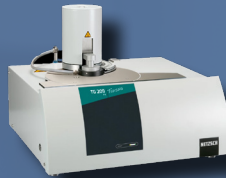
**1000+
Instruments**



**Receive results
within 2 weeks**



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Rate**



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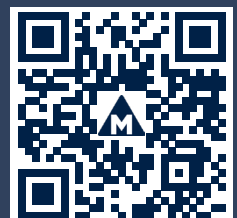


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analytical@mse-supplies.com
520-789-6673
www.mse-supplies.com

MSE Supplies LLC
4400 E Broadway Blvd, Suite 600
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MSE ANALYTICAL SERVICES



INQUIRY

1



SHIP SAMPLES

2



RECEIVE DATA

3

Analytical Services	Instrument Model	Price*
X-ray Photoelectron Spectroscopy (XPS)	ESCALAB 250 XI	From \$100/sample
X-ray Fluorescence Spectroscopy (XRF)	Axios	From \$120/sample
X-ray Diffractometer (XRD)	X'Pert PRO MPD; D8 Advance	From \$50/sample
X-ray Single Crystal Diffraction	Bruker SMART APEX II	From \$375/sample
Ultraviolet Photoelectron Spectroscopy (UPS)	VG Scienta R4000	From \$150/sample
Field Emission Scanning Electron Microscope (FESEM)	S4800; JSM7610F	From \$85/sample
High-resolution Transmission Electron Microscopy (HRTEM)	JEM-2100F; FEI TF20	From \$200/sample
Atomic Force Microscope (AFM)	ICON2-SYS	From \$175/sample
Electron Energy Loss Spectroscopy (EELS)	977 Enfinity-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 \$65/Hour
Differential Scanning Calorimetry (DSC)	214-polyma; Q500	From \$65/Hour
Surface Area and Porosity Analyzer (BET)	QuantachromeSI; ASAP2460	From \$60/sample
Temperature Programmed Desorption Or Reduction (TPD/TPR)	AutoChem2920	From \$110/sample
Mercury Porosimetry	AutoPore IV 9500	From \$275/sample
Solid Nuclear Magnetic Resonance (600M Solid-NMR)	Aglient 600M	From \$135/sample
Liquid Nuclear Magnetic Resonance (400M NMR)	Bruker Ascend400	From \$25/sample
Fourier Transform Infrared Spectrometer (FTIR)	Perkin-Elmer	From \$60/sample
High Resolution Raman Spectrometer	Renishaw 2000; Renishaw inVia	From \$80/sample
Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-OES)	Perkin Elmer	From \$59/element
Ultraviolet-VIS Spectrometer (UV-VIS)	Cary5000	From \$55/sample
Steady State Transient Fluorescence Spectrometer	FLS980; FLS920	RFQ
High Resolution Mass Spectrometry (MS)	6540TOF	RFQ
Matrix Assistant Laser Desorption Ionization-Mass Spectrometry (MALDI-TOF)	AB Sciex	RFQ
Gas Chromatograph-Mass Spectrometry (GC-MS)	GCMS QP2010 PLUS	RFQ
Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)	Thermo Scientific	From \$65/sample
Thermal Gravimetric-Mass Spectrometry (TG-MS)	Netzsch	RFQ
Elemental Analyzer	Vario MACRO cube	From \$95/sample
Dynamic Light Scattering (DLS)	Dynapro Titan TC	RFQ
Nano Indenter	TI 950	RFQ
Density Analyzer	AccuPyc 1330	From \$135/sample
Laser Particle Size Analyzer	Mastersizer 3000	From \$80/sample
Thermal Conductivity Analyzer	LFA 447 Nanoflash	From \$100/temperature
Contact Angle Analyzer	JY-82B	RFQ

* Minimum order requirement: at least \$250 per order. Deliverables: test data. Data interpretation and analysis not included

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