

MATERIAL & MINERAL TESTING SERVICES



General Analysis / Instruments

- Field-emission scanning electron microscopy (FESEM)
- Energy Dispersive X-ray (EDX) analysis
- X-ray diffraction (XRD)
- Atomic force microscopy (AFM)
- X-ray Fluorescence (XRF)
- Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)
- Brunauer–Emmett–Teller (BET)
- High resolution multi technique X-ray spectrometer (XPS)
- Dynamic Mechanical Analysis (DMA) and etc

Material Properties Test

We conduct tests for mechanical and physical properties of materials, heat treatment (furnace), rheology testing, sample fabrication (**ceramic, metal, polymer**), mineral processing, petrographic (MS, BS, ASTM).

Other Testing Services / Instruments

- Thermal analysis (DSC, TGA, DTA, DMA, TGA-DSC, FTIR)
- Etching
- Characterization of materials (FESEM-EDX, SEM-EDX, XRD & etc.)
- Failure analysis, lithography, oxidation/annealing
- Fe²⁺ & L.O.I determination

USAINS BIOMICS

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