


**1 | Dynamic image analysis**

Litesizer DIA 700

Analysis of particle size and shape in the micrometer range

**2 | Gas pycnometry**

Ultrapyc 5000/7000

Analysis of skeletal (true) density

**3 | Tapped density measurement**

Ultratap 500 Twin

Measurement of tapped density of powders

**4 | Powder rheology**

MCR 503 with CTD 600 Shear Cell

Analysis of powder flow behavior

**5 | Raman spectroscopy**

Cora 5001

Measurement of defect ratio

**6 | X-ray diffraction**

XRDynamic 500

Measurement of degree of graphitization and crystallinity

**7 | Microwave acid digestion**

Multiwave 7301/7501

Sample preparation for elemental analysis

**8 | Oil absorption analysis**

Brabender AbsorptoMeter C

Determination of oil absorption number for carbon black and graphite

**9 | BET surface area analysis**

Nova 800

Analysis of specific surface area and pore size distribution

**10 | Dynamic light scattering**

Litesizer DLS 701

Measurement of particle size in the nanometer range

**11 | Laser diffraction**

Litesizer DIF 500

Measurement of particle size in the micrometer range

**12 | FTIR spectroscopy**

Lyza 7000

Quality control for binders

# Battery Raw Materials: Analytical Excellence

Accelerated QC and R&D for battery powders

Advanced characterization solutions for  
battery raw materials, enabling faster  
development and reliable quality control



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