TECHNICAL SERVICE
CARD

PLAPIQUI



#3601
Charcoal Characterization

PHYSICOCHEMICAL CHARACTERIZATION OF CARBONACEOUS MATERIALS

DESCRIPTION
Availability of techniques traditionally used to determine the properties of carbon (specific surface area, pore volume, trace metal content, acidity, C, H, O, N analysis, surface functional groups, particle size, thermal behavior).

AVAILABLE EQUIPMENT
- N2 sorptometry (Nova 1200e Quantachrome)
- Elemental analysis (AAnalizer 700 and Exeter Analytical CE-440)
- Titration with a KEM AT500N automatic titrator
- Laser diffraction particle size analysis (Horiba Laser Diffraction LA-950V2). Particle size range: 10 nm – 3000 µm; wet/dry processing.
- FTIR with a Nicolet 6700 spectrometer
- Thermogravimetric analysis (Discovery TA)

ADVANTAGES
- Interpretation of results
- Instrumental analysis performed by trained staff

APPLICATIONS
Carbonaceous materials

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