

Specific Surface Area

AS1-MP

Principle

Determination of specific surface area by gas adsorption and determination of pore size distribution.

Manufacturer	Quantachrome Instruments
Adsorbate	N ₂ , Krypton
Range BET with Nitrogen	> 0.05 m ² / g
Range BET with Krypton	> 0.001 m ² / g
Range Pore Size	0.35 - 800 nm
Outgasing	Yes, with Vacuum
Outgasing Temperature Maximum	400 °C
Measurement Cells	Several cells for several net weight of samples and for several sample geometry
Analysis	Different methods of pore size analysis
Typical Tasks	Specific surface area, Total pore volume, Pore size distribution