

ANALYSIS TECHNIQUES

Surface Analysis



AUGAR or EDAX Energy Dispersive X-Ray Spectrometry

Recommended Gases	
Measurement	Nitrogen
	Alphagaz 1
Calibration	Liquid Nitrogen
	LIN

Electron Microscopy

Transmission or Scanning
Electron Microscopy

Recommended Gases	
Purge	Nitrogen
	Alphagaz 1

XPS or ESCA

X-Ray Photo Spectrometry or
Electron Spectrometry

Recommended Gases	
Measurement	Nitrogen
	Alphagaz 1
Calibration	Liquid Nitrogen
	LIN

BET Surface Area Analysis

Recommended Gases	
Measurement	Argon or Krypton
	Alphagaz 1
	N48
Calibration	Helium
	Alphagaz 2
Cooling	Liquid Nitrogen
	LIN