

Sample: 3-point BET example
Operator: Chemist
Submitter: Particle Technology Labs
File: R:\3Flex\data\Website examples 2022\BET.SMP

Started: 7/13/2022 6:32:28 PM	Analysis adsorptive: N2
Completed: 7/13/2022 8:15:28 PM	Analysis bath temp.: 77.350 K
Report time: 12/15/2022 5:55:58 PM	Thermal correction: No
Sample mass: 2.2244 g	Ambient free space: 15.4154 cm ³ Measured
Analysis free space: 55.6165 cm ³	Equilibration interval: 10 s
Low pressure dose: None	Sample density: 1.000 g/cm ³
Automatic degas: No	

Comments: Material Name Client ID Test method PTL Project # PTL ID

BET Report

BET surface area: 0.2374 ± 0.0001 m²/g
Slope: 0.4050210 ± 0.0001764 g/μmol
Y-intercept: 0.0059092 ± 0.0000245 g/μmol
C: 69.540178
Qm: 2.434 μmol/g
Correlation coefficient: 0.9999999
Molecular cross-sectional area: 0.1620 nm²

Relative Pressure (p/p°)	Quantity Adsorbed (μmol/g)	1/[Q(p°/p - 1)]
0.058673121	2.101	0.0296650
0.119827360	2.500	0.0544562
0.199804790	2.876	0.0868282

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BET Surface Area Plot

