

Sample: BET3

Operator:

Submitter:

File: D:\2025\7\7.27\2\25072246957\3.SMP

Started: 2025/7/27 14:13:46	Analysis adsorptive: N2
Completed: 2025/7/27 17:48:18	Analysis bath temp.: 77.300 K
Report time: 2025/7/27 22:58:13	Thermal correction: No
Sample mass: 0.0415 g	Ambient free space: 15.8558 cm ³ Measured
Analysis free space: 45.2005 cm ³	Equilibration interval: 10 s
Low pressure dose: None	Sample density: 1.000 g/cm ³
Automatic degas: No	

Summary Report

Surface Area

Single point surface area at $P/P_o = 0.088475859$: 1,666.8957 m²/gBET Surface Area: 1,711.9659 m²/g

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Analysis bath temp.: 77.300 K
Thermal correction: No
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Equilibration interval: 10 s
Sample density: 1.000 g/cm³

Isotherm Tabular Report

Relative Pressure (P/Po)	Absolute Pressure (mmHg)	Quantity Adsorbed (cm ³ /g STP)	Elapsed Time (h:min)	Saturation Pressure (mmHg)
			01:09	719.747375
0.004785194	3.441315	271.5893	02:36	719.158936
0.029687348	21.348383	360.2229	02:47	719.107117
0.055839521	40.155930	399.1370	02:54	719.130981
0.088475859	63.621330	420.1396	03:00	719.081238
0.105267687	75.695473	426.3768	03:03	719.076050
0.131350867	94.450172	433.6128	03:06	719.067749
0.156149921	112.283669	438.8338	03:09	719.076050
0.181725552	130.678818	443.0283	03:11	719.099854
0.206216236	148.292633	446.1285	03:13	719.112305
0.230984749	166.099182	448.5973	03:15	719.091553
0.255666763	183.866364	450.6040	03:16	719.164124
0.280511424	201.741302	452.2621	03:18	719.191040
0.300560366	216.153168	453.3855	03:19	719.167236

Serial # 2215 Unit 1 Port 2

Sample: BET3

Operator:

Submitter:

File: D:\2025\7\7.27\2\25072246957\3.SMP

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Completed: 2025/7/27 17:48:18

Report time: 2025/7/27 22:58:13

Sample mass: 0.0415 g

Analysis free space: 45.2005 cm³

Low pressure dose: None

Automatic degas: No

Analysis adsorptive: N2

Analysis bath temp.: 77.300 K

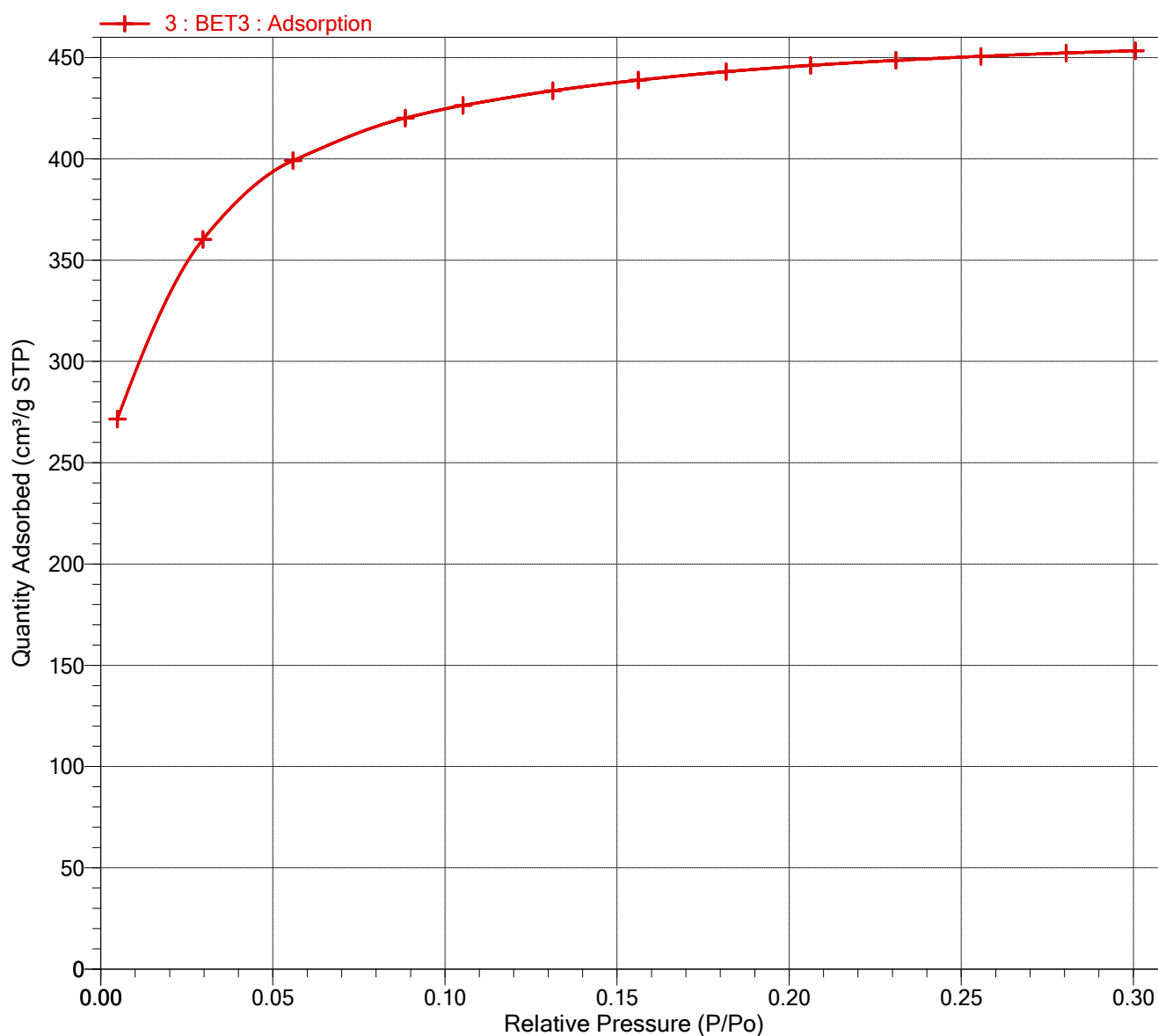
Thermal correction: No

Ambient free space: 15.8558 cm³ Measured

Equilibration interval: 10 s

Sample density: 1.000 g/cm³

Isotherm Linear Plot



Serial # 2215 Unit 1 Port 2

Sample: BET3

Operator:

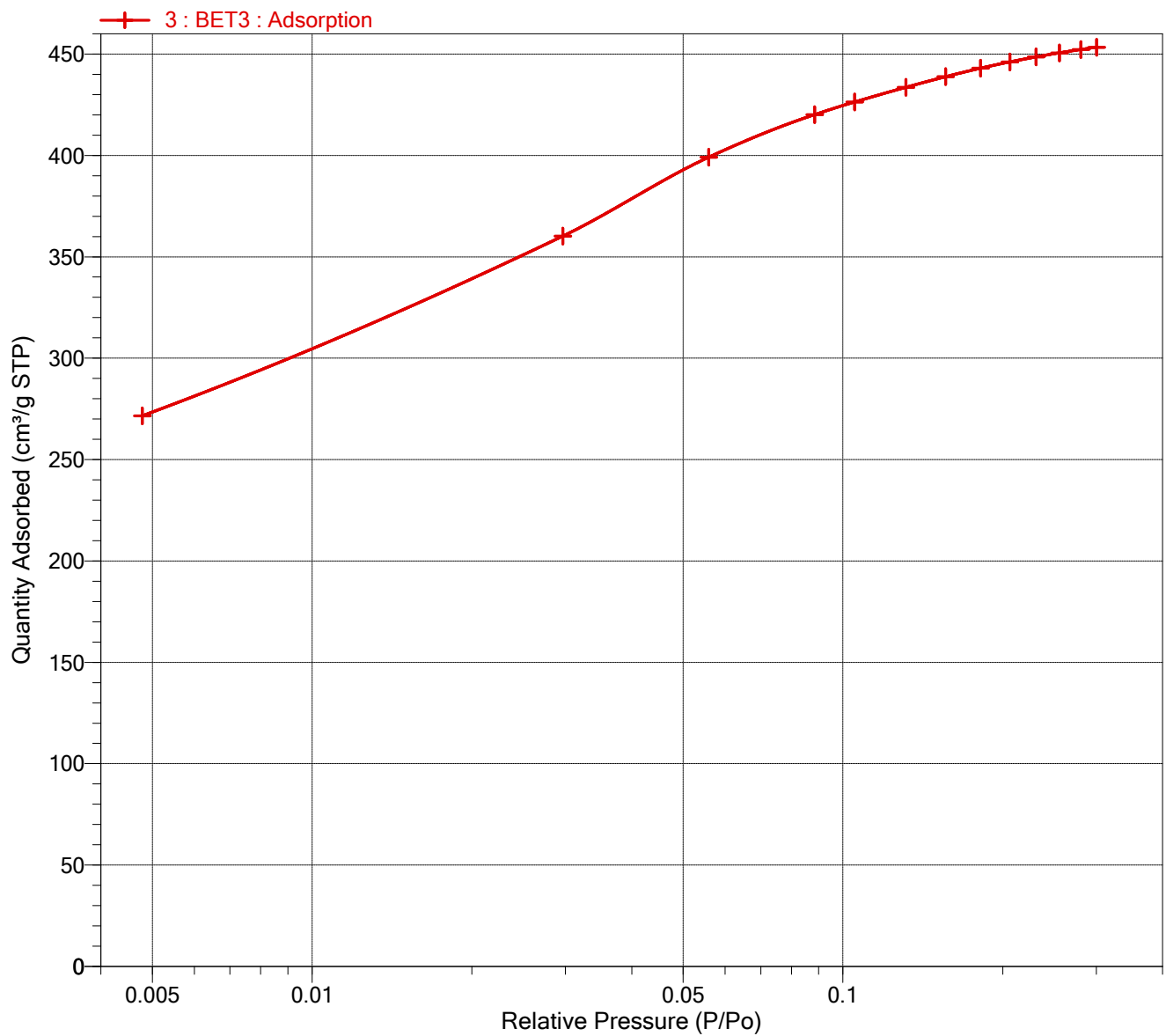
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Low pressure dose: None
Automatic degas: No

Analysis adsorptive: N2
Analysis bath temp.: 77.300 K
Thermal correction: No
Ambient free space: 15.8558 cm³ Measured
Equilibration interval: 10 s
Sample density: 1.000 g/cm³

Isotherm Log Plot



Serial # 2215 Unit 1 Port 2

Sample: BET3

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Submitter:

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Sample mass: 0.0415 g

Analysis free space: 45.2005 cm³

Low pressure dose: None

Automatic degas: No

Analysis adsorptive: N₂

Analysis bath temp.: 77.300 K

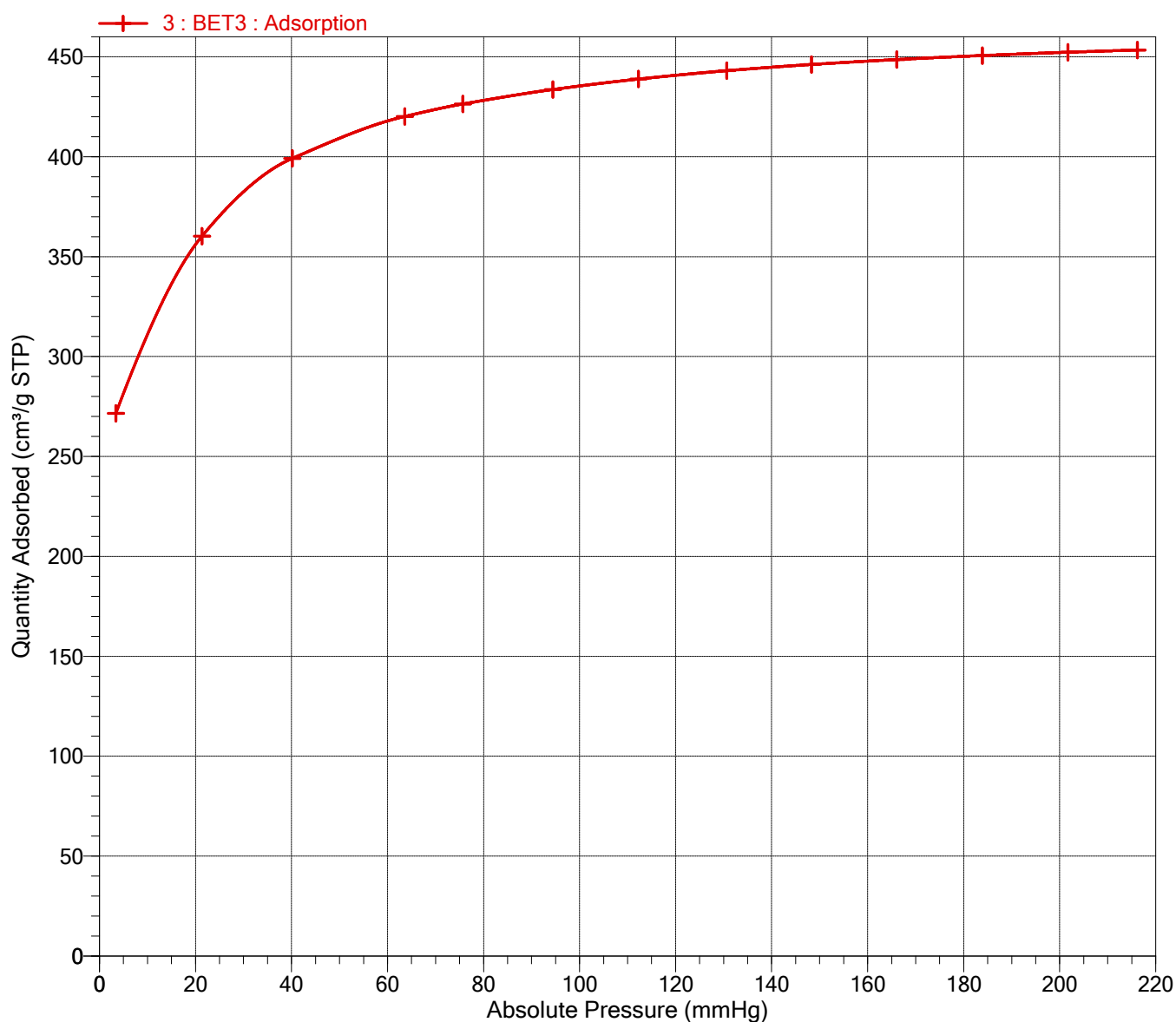
Thermal correction: No

Ambient free space: 15.8558 cm³ Measured

Equilibration interval: 10 s

Sample density: 1.000 g/cm³

Isotherm Linear Absolute Plot



Serial # 2215 Unit 1 Port 2

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Submitter:

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Sample mass: 0.0415 g

Analysis free space: 45.2005 cm³

Low pressure dose: None

Automatic degas: No

Analysis adsorptive: N2

Analysis bath temp.: 77.300 K

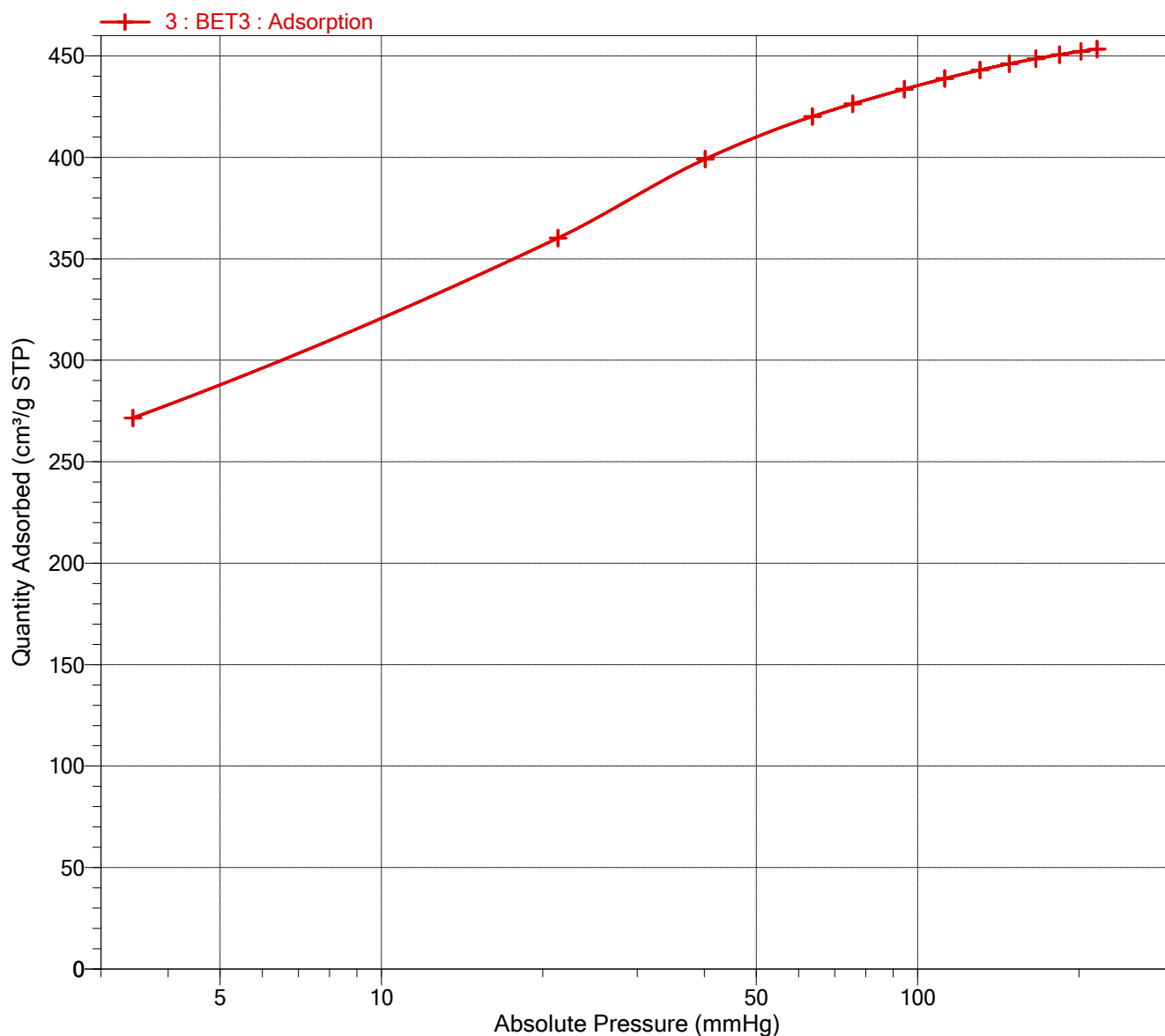
Thermal correction: No

Ambient free space: 15.8558 cm³ Measured

Equilibration interval: 10 s

Sample density: 1.000 g/cm³

Isotherm Log Absolute Plot



Sample: BET3

Operator:

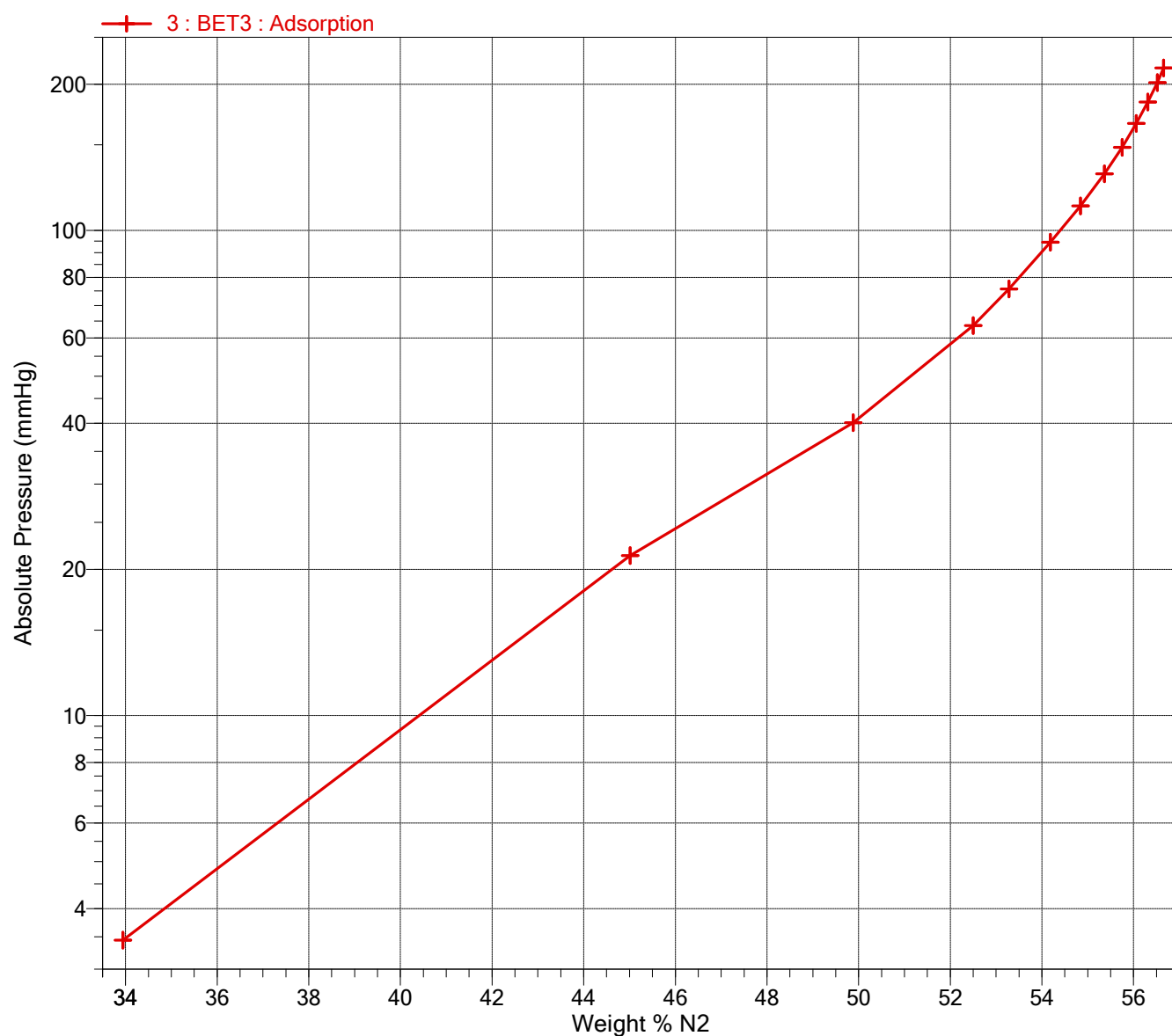
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Isotherm Pressure Composition



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Low pressure dose: None	Sample density: 1.000 g/cm ³
Automatic degas: No	

BET Report

BET surface area: 1,711.9659 ± 23.4364 m²/g
Slope: 0.002535 ± 0.000035 g/cm³ STP
Y-intercept: 0.000007 ± 0.000002 g/cm³ STP
C: 356.095066
Qm: 393.3223 cm³/g STP
Correlation coefficient: 0.9998121
Molecular cross-sectional area: 0.1620 nm²

Relative Pressure (P/Po)	Quantity Adsorbed (cm ³ /g STP)	1/[Q(Po/P - 1)]
0.004785194	271.5893	0.000018
0.029687348	360.2229	0.000085
0.055839521	399.1370	0.000148
0.088475859	420.1396	0.000231

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BET Surface Area Plot

