

Anton Paar Kaomi for Nova

version 1.05
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Report date:
File Name:

12/01/2025
PW350 01-12-2025.qcuPhysIso

Operator:

labuser

Multipoint BET Summary/Results

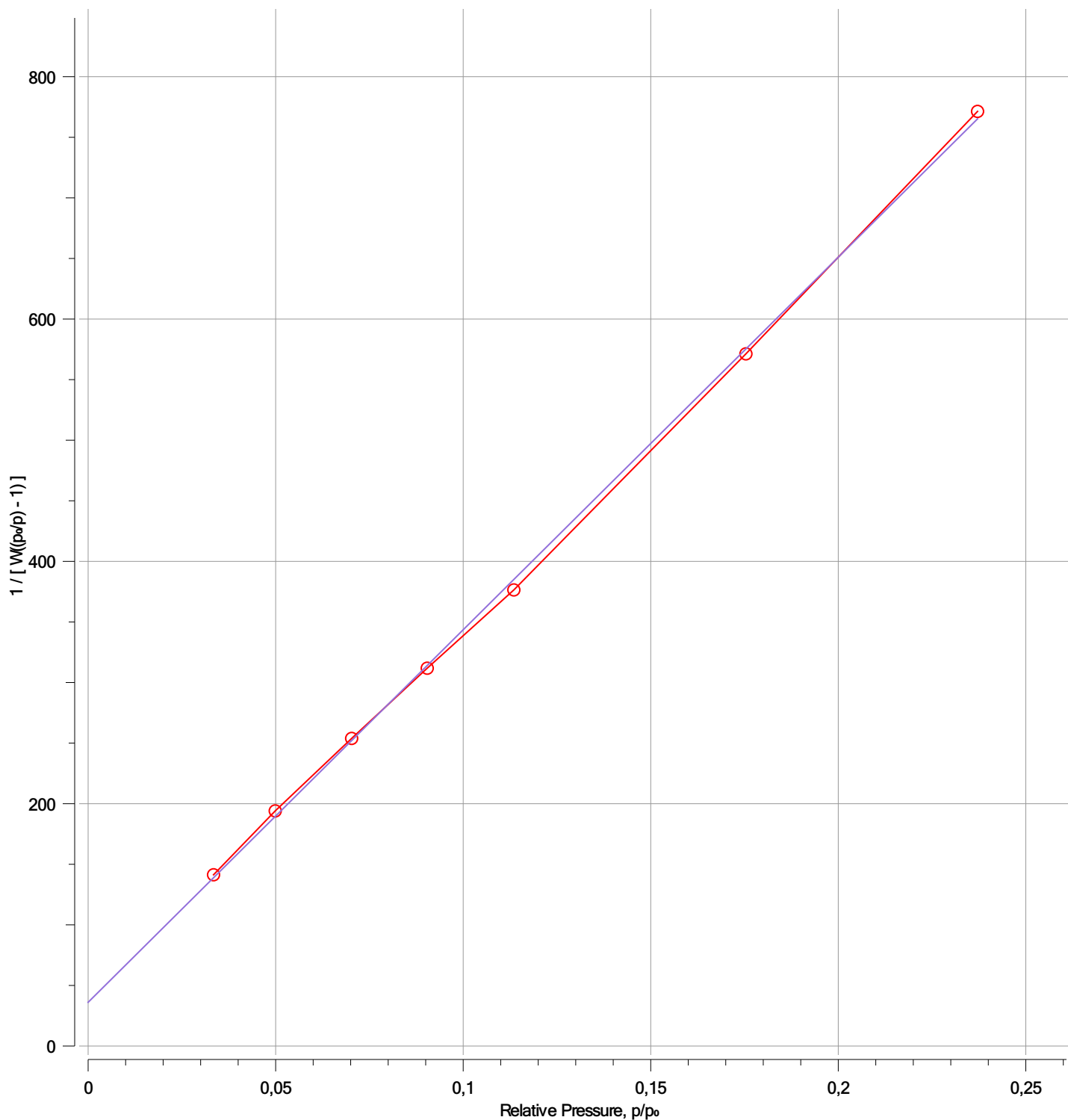
Isotherm Branch Adsorption
Correlation coeff., r 0.999728

Slope 3074.72
C constant 86.2063

Intercept 36.0856
Surface area 1.119 m²/g

BET-Multipoint BET

—+— BET (All points) —○— BET function — Best Fit



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BET-Multipoint BET		
Relative Pressure, p/p ₀	Volume Adsorbed @STP cm ³ /g	1 / [W((p ₀ /p) - 1)]
0.0334395	0.195838	141.3458
0.049885	0.216497	194.0406
0.0702584	0.238156	253.8783
0.0904117	0.255041	311.8316
0.113506	0.272147	376.4327
0.175376	0.297866	571.2748
0.237138	0.322432	771.3779

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Analysis Data

Sample

ID	pw350 28-11-2025	Weight	2.0785 g
Name	pw350 28-11-2025	Description	pw350 28-11-2025

Analysis

Data ID	{cd34fdbe-ed5d-4520-97d6-0471ddb7694}		
Analysis Profile	N2 10 PT BET (biochar)		
Operator	labuser	Date	12/01/2025
Instrument	St 2 on NOVA 800 [s/n:1050059864]	Duration	161.30 min
Ambient Temp.	27.03 °C	Firmware	1.05
Warm Zone	3.14807 cm³	Cold Zone	20.6733 cm³
Thermal Delay	180 sec	Void Volume Mode	He Measure
		Cell Type	9 mm with filler rod
		p ₀ Mode	From Ambient Pressure

Adsorbate

Name	Nitrogen	Molecular Weight	28.0134 g/mol	Cross Sectional Area	16.2 Å²/molecule
Non-Ideality	6.58e-05 1/Torr	Bath Temperature	77.35 K		

Degas information

Type	Vacuum Degassing
Operator	labuser
Description	pw350 28-11-2025
Heating	Heat to 150.0 °C at 10.0 °C/min then hold for 600 min

Data Reduction Parameters

Data Reduction Parameters

Thermal Transpiration no

Adsorbate Model

Name	Nitrogen	Molecular Weight	28.0134 g/mol	Cross Sectional Area	16.2 Å²/molecule
Bath Temperature	77.35 K				