

Anton Paar Kaomi for Nova

version 1.05

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Report date:
File Name:

11/13/2025
WS 700 11 11 2025.qcuPhysIso

Operator:

labuser

Isotherm Branch
Correlation coeff., r

Adsorption
0.999381

Multipoint BET Summary/Results

Slope 682.939
C constant 156.344

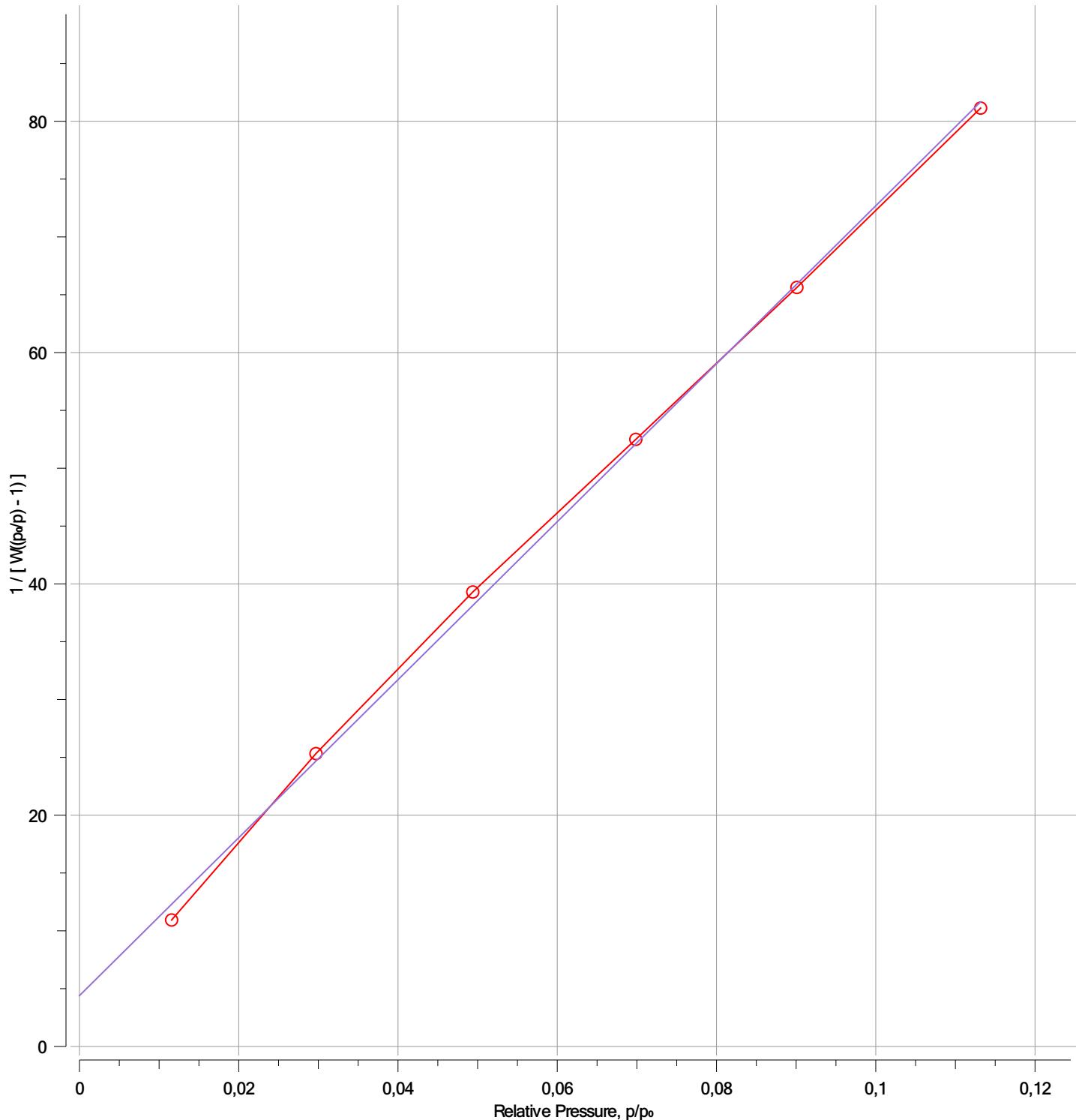
Intercept 4.39629
Surface area 5.067 m²/g

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)]
0.0115701	0.856338	10.9369
0.0297009	0.967066	25.3255
0.0493937	1.05791	39.2980
0.0698672	1.14488	52.4953
0.0900938	1.20707	65.6321
0.113170	1.25836	81.1398

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Analysis Data

Sample

ID	WS 700 10 11 2025	Weight	0.6959g
Name	WS 700 10/11/2025	Description	WS 700 10/11/2025

Analysis

Data ID	{475a1671-5ef0-437a-9b8e-fca8d985a974}	Duration	163.70 min
Analysis Profile	N2 10 PT BET(biochar)	Firmware	1.05
Operator	labuser	Cold Zone	27.753 cm ³
Instrument	St 3 on NOVA 800 [s/n:1050059864]	Date	11/11/2025
Ambient Temp.	26.94 °C	Void Volume Mode	He Measure
Warm Zone	2.44208 cm ³	Cell Type	9 mm without filler rod
Thermal Delay	180 sec	p₀ Mode	From Ambient Pressure

Adsorbate

Name	Nitrogen	Molecular Weight	28.0134 g/mol	Cross Sectional Area	16.2 Å ² /molecule
Non-Ideality	6.58e-05 1/Torr	Bath Temperature	77.35 K		

Degas information

Type	Vacuum Degassing
Operator	labuser
Description	WS 700 10/11/2025
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 Å ² /molecule
Bath Temperature	77.35 K				
