

Anton Paar Kaomi for Nova

version 1.05

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Report date:
File Name:

11/13/2025
BRF 500 11 11 2025.qcuPhysio

Operator:

labuser

Isotherm Branch
Correlation coeff., r

Adsorption
0.997079

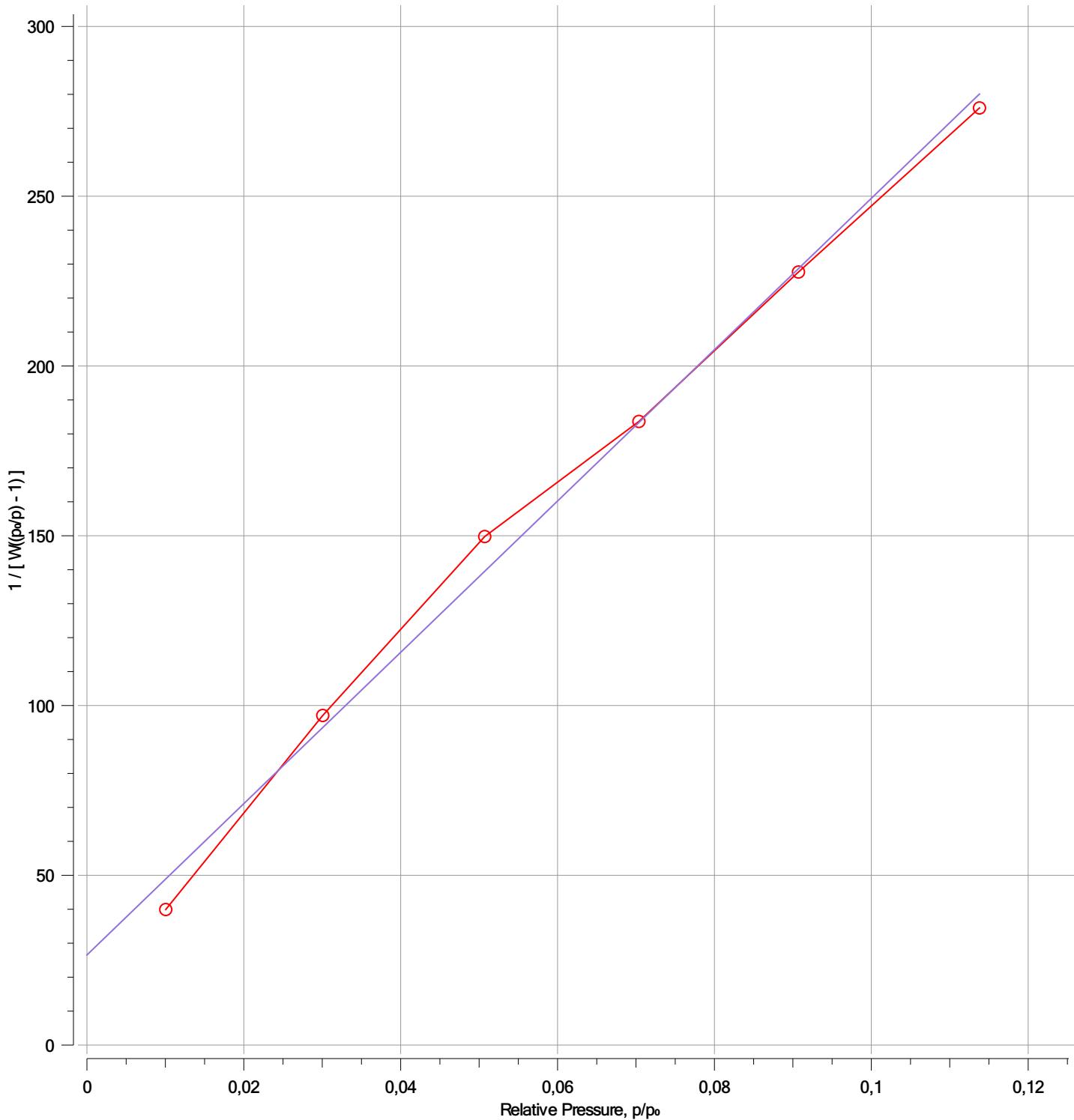
Multipoint BET Summary/Results

Slope 2228.27
C constant 84.9748

Intercept 26.535
Surface area 1.544 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)]
0.0100479	0.203394	39.9275
0.0300639	0.255472	97.0755
0.050715	0.285406	149.7708
0.0703716	0.329769	183.6656
0.0907172	0.350611	227.6751
0.113794	0.372248	275.9952

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Analysis Data

Sample

ID	BRF 500	Weight	0.8043g
Name	BRF 500 10/11/2025	Description	BRF 500

Analysis

Data ID	{fc4a9a58-d649-4ba4-b619-7d51dce6d82f}
Analysis Profile	N2 10 PT BET(biochar)
Operator	labuser
Instrument	St 1 on NOVA 800 [s/n:1050059864]
Ambient Temp.	27.10°C
Warm Zone	3.09356cm ³
Thermal Delay	180sec
Void Volume Mode	He Measure
Cell Type	9 mm with filler rod
p• Mode	From Ambient Pressure
Duration	132.92 min
Firmware	1.05
Cold Zone	25.1444 cm ³

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	77.35K		

Degas information

Type	Vacuum Degassing
Operator	labuser
Description	BRF 500
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	77.35K				