

# Anton Paar Kaomi for Nova

version 1.05  
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**Report date:**  
**File Name:**

11/13/2025  
BRF 500 11 11 2025.qcuPhysIso

**Operator:**

labuser

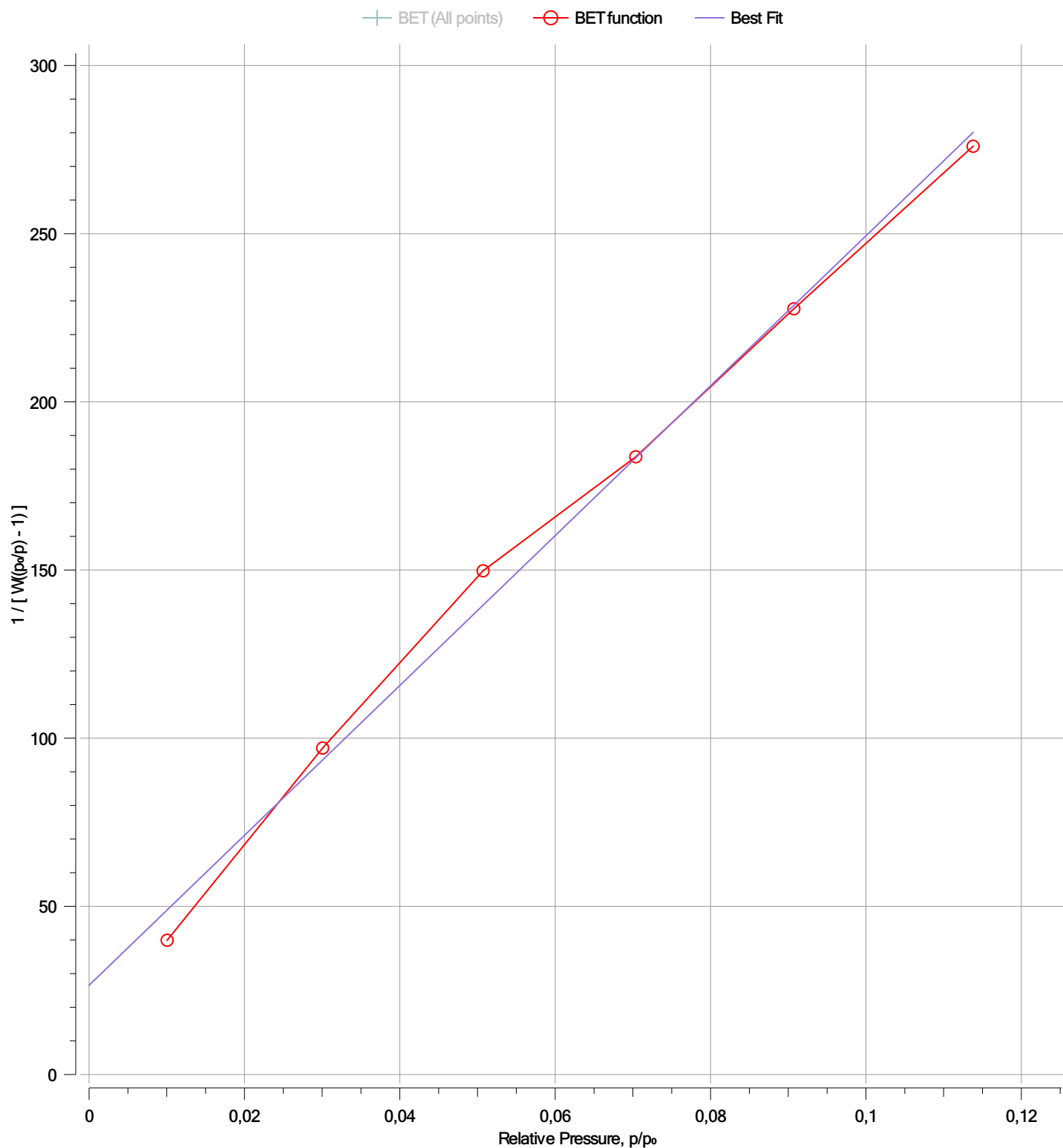
## Multipoint BET Summary/Results

**Isotherm Branch** Adsorption  
**Correlation coeff., r** 0.997079

**Slope** 2228.27  
**C constant** 84.9748

**Intercept** 26.535  
**Surface area** 1.544 m<sup>2</sup>/g

## BET-Multipoint BET



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BET-Multipoint BET		
Relative Pressure, p/p <sub>0</sub>	Volume Adsorbed @STP cm <sup>3</sup> /g	1 / [ W((p <sub>0</sub> /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 Date 11/11/2025 Duration 132.92min  
Instrument St 1 on NOVA 800 [s/n:1050059864] Firmware 1.05  
Ambient Temp. 27.10 °C Void Volume Mode He Measure Cold Zone 25.1444 cm³  
Warm Zone 3.09356 cm³ Cell Type 9 mm with filler rod  
Thermal Delay 180 sec p<sub>0</sub> 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 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 Å²/molecule  
Bath Temperature 77.35 K