

# Anton Paar Kaomi for Nova

version 1.05

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Report date:  
File Name:

11/13/2025  
BRF 700 11 11 2025.qcuPhysio

Operator:

labuser

Isotherm Branch  
Correlation coeff., r

Adsorption  
0.996565

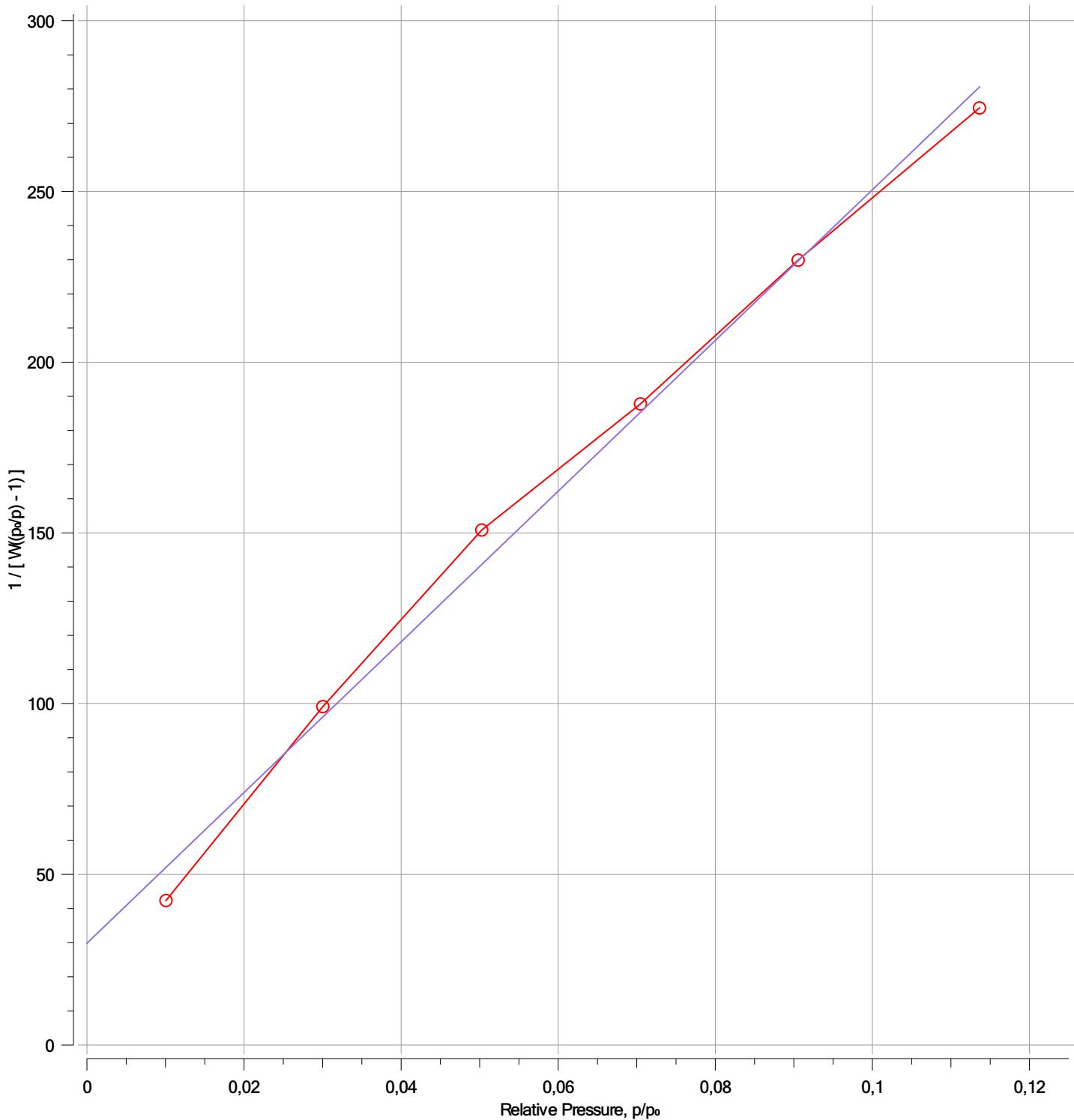
## Multipoint BET Summary/Results

Slope 2206.67  
C constant 74.9694

Intercept 29.8322  
Surface area 1.557 m<sup>2</sup>/g

## BET-Multipoint BET

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



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## BET-Multipoint BET

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Relative Pressure, p/p <sub>0</sub>	Volume Adsorbed @STP cm <sup>3</sup> /g	1 / [ W((p <sub>0</sub> /p) - 1) ]
0.0100639	0.192116	42.3396
0.0300332	0.249909	99.1318
0.050264	0.280712	150.8496
0.0704674	0.323018	187.7790
0.0905479	0.346516	229.8925
0.113636	0.373743	274.4616

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Analysis Data

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**Sample**

<b>ID</b>	BRF 700 10 11 2025	<b>Weight</b>	0.7648g
<b>Name</b>	BRF 700 10 11 2025	<b>Description</b>	BRF 700 10 11 2025

**Analysis**

<b>Data ID</b>	{fd22bf48-5dc4-419b-8e6d-e33443c3758e}	<b>Operator</b>	labuser	<b>Date</b>	11/11/2025	<b>Duration</b>	134.33 min
<b>Analysis Profile</b>	N2 10 PT BET(biochar)	<b>Instrument</b>	St 2 on NOVA 800 [s/n:1050059864]	<b>Firmware</b>	1.05	<b>Cold Zone</b>	26.5219 cm <sup>3</sup>
<b>Ambient Temp.</b>	27.08 °C	<b>Void Volume Mode</b>	He Measure				
<b>Warm Zone</b>	2.60511 cm <sup>3</sup>	<b>Cell Type</b>	9 mm with filler rod				
<b>Thermal Delay</b>	180 sec	<b>p<sub>0</sub> Mode</b>	From Ambient Pressure				

**Adsorbate**

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

**Degas information**

<b>Type</b>	Vacuum Degassing
<b>Operator</b>	labuser
<b>Description</b>	BRF 700 10 11 2025
<b>Heating</b>	Heat to 150.0 °C at 10.0 °C/min then hold for 600 min

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Data Reduction Parameters

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**Data Reduction Parameters****Thermal Transpiration** no**Adsorbate Model**

<b>Name</b>	Nitrogen	<b>Molecular Weight</b>	28.0134 g/mol	<b>Cross Sectional Area</b>	16.2 Å <sup>2</sup> /molecule
<b>Bath Temperature</b>	77.35 K				

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