

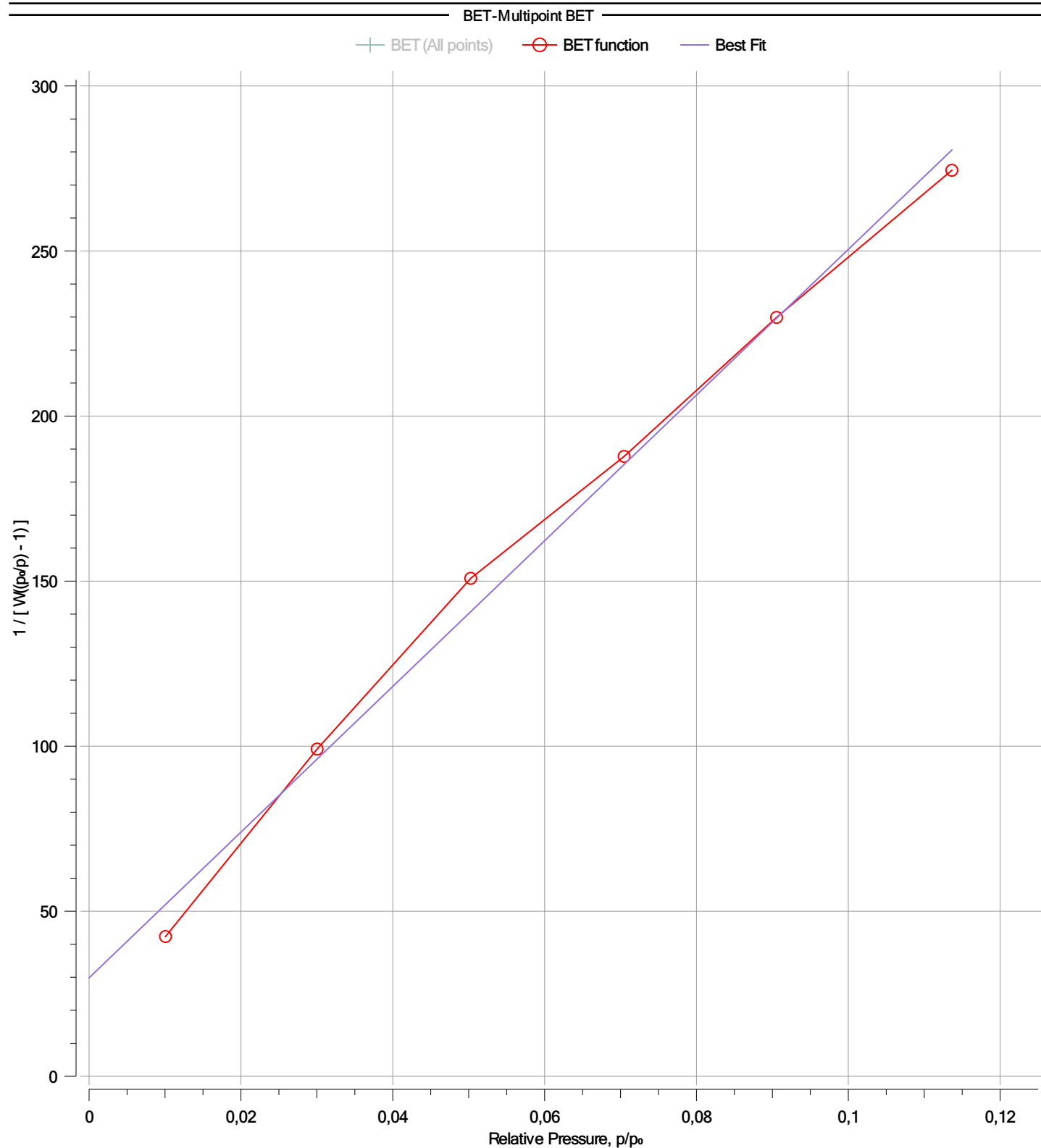
# Anton Paar Kaomi for Nova

version 1.05  
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**Report date:** 11/13/2025 **Operator:** labuser  
**File Name:** BRF 700 11 11 2025.qcuPhysIso

Multipoint BET Summary/Results			
<b>Isotherm Branch</b>	Adsorption	<b>Slope</b>	2206.67
<b>Correlation coeff., r</b>	0.996565	<b>C constant</b>	74.9694
		<b>Intercept</b>	29.8322
		<b>Surface area</b>	1.557 m <sup>2</sup> /g



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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) ]
0.0100639	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

Sample

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

Analysis

Data ID	{fd22bf48-5dc4-419b-8e6d-e33443c3758e}		
Analysis Profile	N2 10 PT BET (biochar)		
Operator	labuser	Date	11/11/2025
Instrument	St 2 on NOVA 800 [s/n:1050059864]	Duration	134.33 <sub>min</sub>
Ambient Temp.	27.08 °C	Firmware	1.05
Warm Zone	2.60511 <sub>cm³</sub>	Void Volume Mode	He Measure
Thermal Delay	180 <sub>sec</sub>	Cell Type	9 mm with filler rod
		p <sub>0</sub> Mode	From Ambient Pressure
		Cold Zone	26.5219 <sub>cm³</sub>

Adsorbate

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

Degas information

Type	Vacuum Degassing
Operator	labuser
Description	BRF 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 <sub>g/mol</sub>	Cross Sectional Area	16.2 Å <sup>2</sup> /molecule
Bath Temperature	77.35 <sub>K</sub>				