Anton Paar Kaomi for Nova

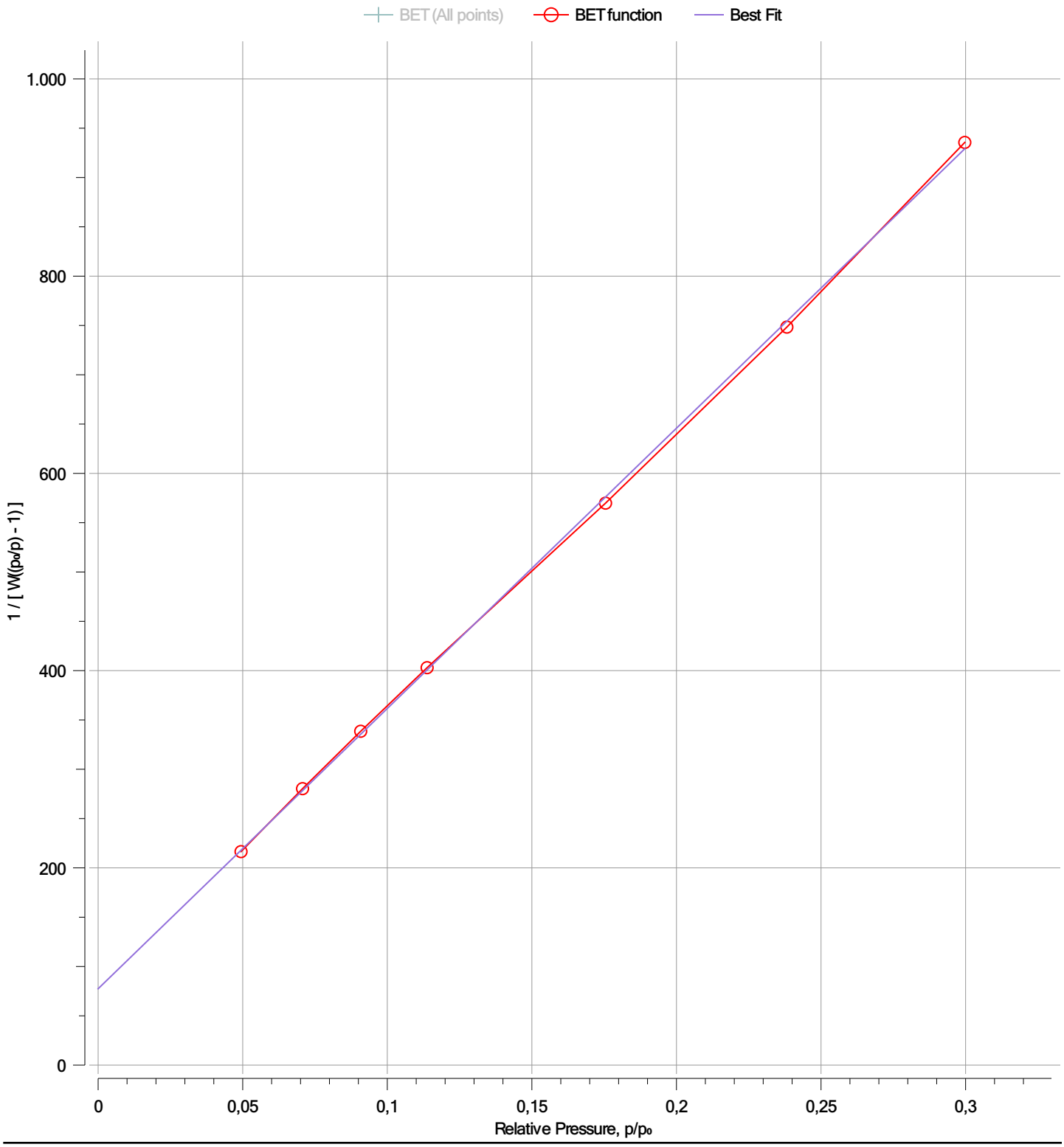
version 1.05

Report date: 11/13/2025 **Operator:** labuser
File Name: BRF 350 12 11 2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	2841.72	**Intercept**	77.4474
Correlation coeff., r	0.999838	**C constant**	37.6923	**Surface area**	1.193 m²/g

BET-Multipoint BET



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BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0494225	0.192166	216.4768
0.0706929	0.217128	280.3184
0.0908082	0.236064	338.5244
0.113771	0.254880	402.9950
0.175482	0.298840	569.8285
0.238185	0.334287	748.3353
0.299717	0.366021	935.5815

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Analysis Data

Sample

ID	brf350 bc 11 11 2025	**Weight**	0.7711 g		
Name	BRF 350 BC 11/11/2025	**Description**	BRF 350 BC 11/11/2025		

Analysis

Data ID	{1140fdf8-6656-4802-b743-a72de3006532}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	11/12/2025	**Duration**	155.48 min
Instrument	St 3 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Ambient Temp.	27.37 °C	**Void Volume Mode**	He Measure	**Cold Zone**	24.2599 cm³
Warm Zone	3.35411 cm³	**Cell Type**	9 mm with filler rod		
Thermal Delay	180 sec	**p_0 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 350 BC 11/11/2025
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 Å²/molecule
Bath Temperature	77.35 K				