Anton Paar Kaomi for Nova

version 1.05

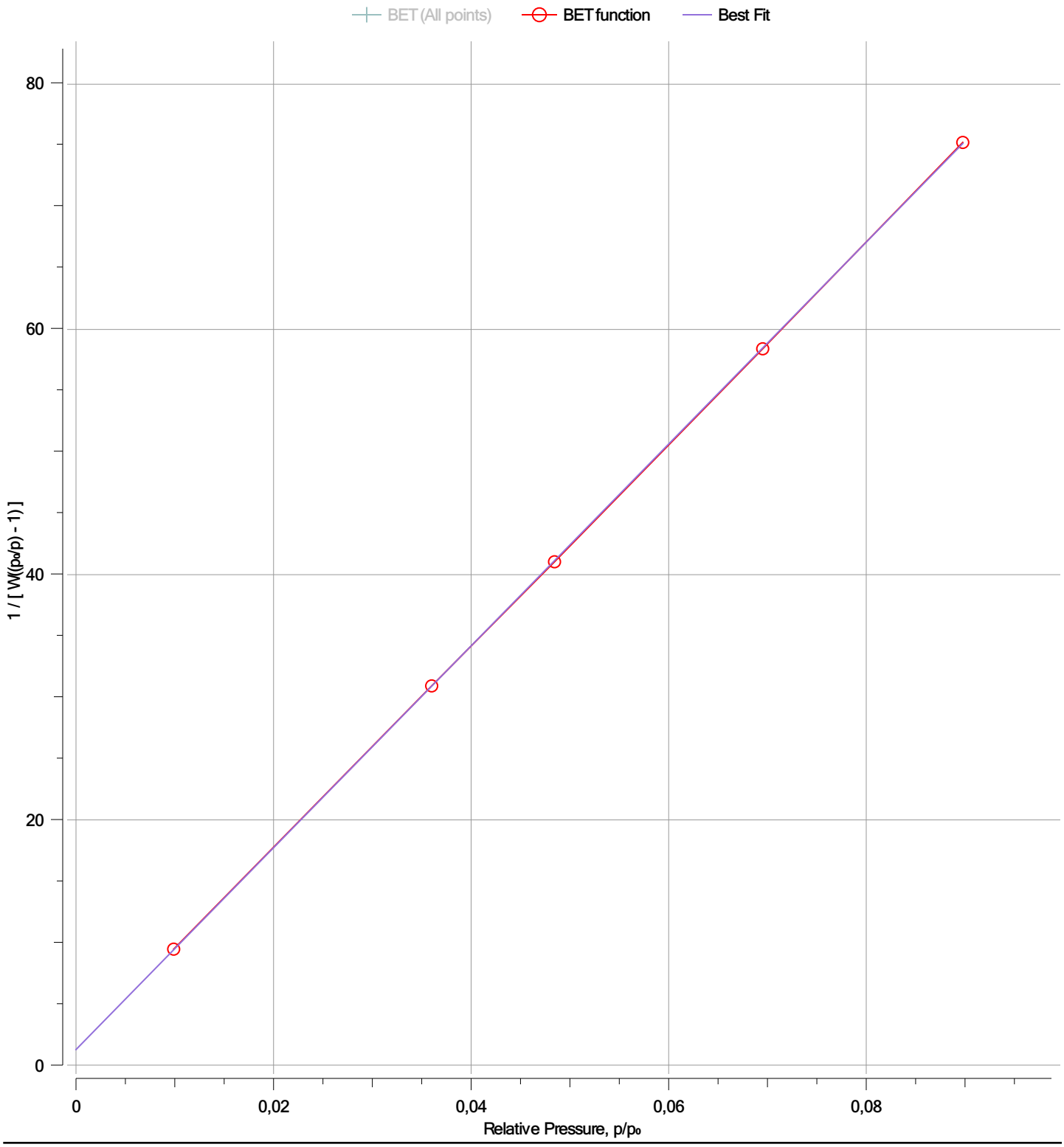
Report date: 12/01/2025 **Operator:** labuser

File Name: BRF500 01-12-2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	823.156	**Intercept**	1.26766
Correlation coeff., r	0.999995	**C constant**	650.352	**Surface area**	4.224 m²/g

BET-Multipoint BET



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BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0098891	0.844946	9.4579
0.036007	0.966258	30.9293
0.0484432	0.992223	41.0524
0.0695192	1.02320	58.4232
0.0897729	1.04862	75.2535

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Analysis Data

Sample

ID	brf500 28-11-2025	**Weight**	2.5366 g
Name	brf500 28-11-2025	**Description**	brf500 28-11-2025

Analysis

Data ID	{432742f9-0bc3-486a-8279-cf3ba7126298}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	12/01/2025	**Duration**	187.25 min
Instrument	St 3 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Comments:	""				
Ambient Temp.	26.63 °C	**Void Volume Mode**	He Measure	**Cold Zone**	23.1894 cm³
Warm Zone	2.51593 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	brf500 28-11-2025
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				