Anton Paar Kaomi for Nova

version 1.05

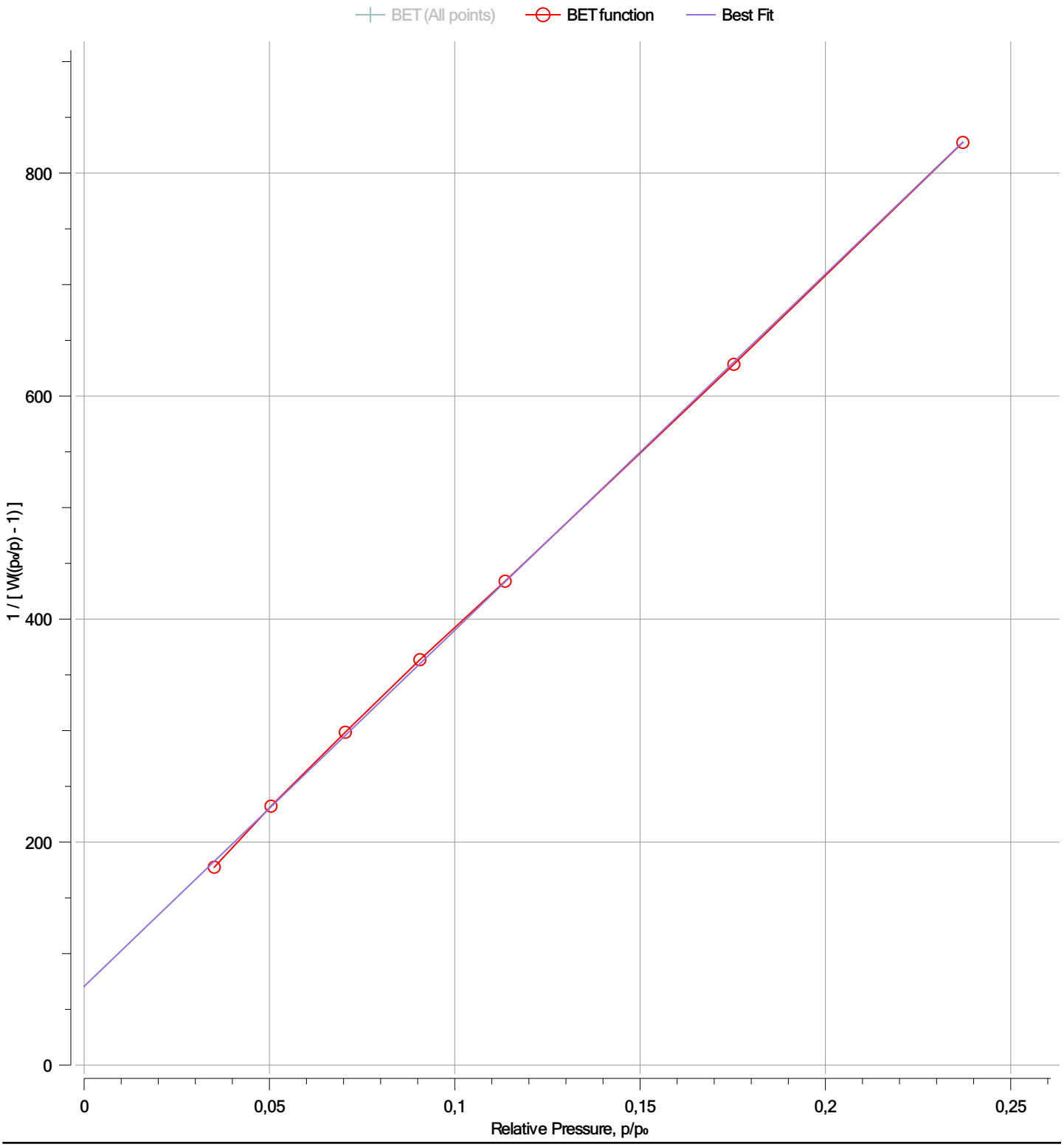
Report date: 12/01/2025 **Operator:** labuser

File Name: BRF350 01-12-2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	3194.12	**Intercept**	70.5994
Correlation coeff., r	0.999916	**C constant**	46.2429	**Surface area**	1.067 m²/g

BET-Multipoint BET



Report date: 12/01/2025 **Operator:** labuser
File Name: BRF350 01-12-2025.qcuPhysIso

BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0351144	0.164035	177.5096
0.0504259	0.182951	232.2414
0.0704733	0.203191	298.5448
0.0905939	0.219209	363.6077
0.113591	0.236254	433.9894
0.175301	0.270598	628.5137
0.237084	0.300470	827.5110

Anton Paar Kaomi for Nova

version 1.05

Report date: 12/01/2025 **Operator:** labuser
File Name: BRF350 01-12-2025.qcuPhysIso

Analysis Data

Sample

ID	brf350 28-11-2025	**Weight**	1.6155 g		
Name	brf350 28-11-2025	**Description**	brf350 28-11-2025		

Analysis

Data ID	{fd157218-1897-433d-940c-f240b43803e8}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	12/01/2025	**Duration**	170.52 min
Instrument	St 1 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Ambient Temp.	27.01 °C	**Void Volume Mode**	He Measure	**Cold Zone**	22.1266 cm³
Warm Zone	3.0987 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	brf350 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				