Anton Paar Kaomi for Nova

version 1.05

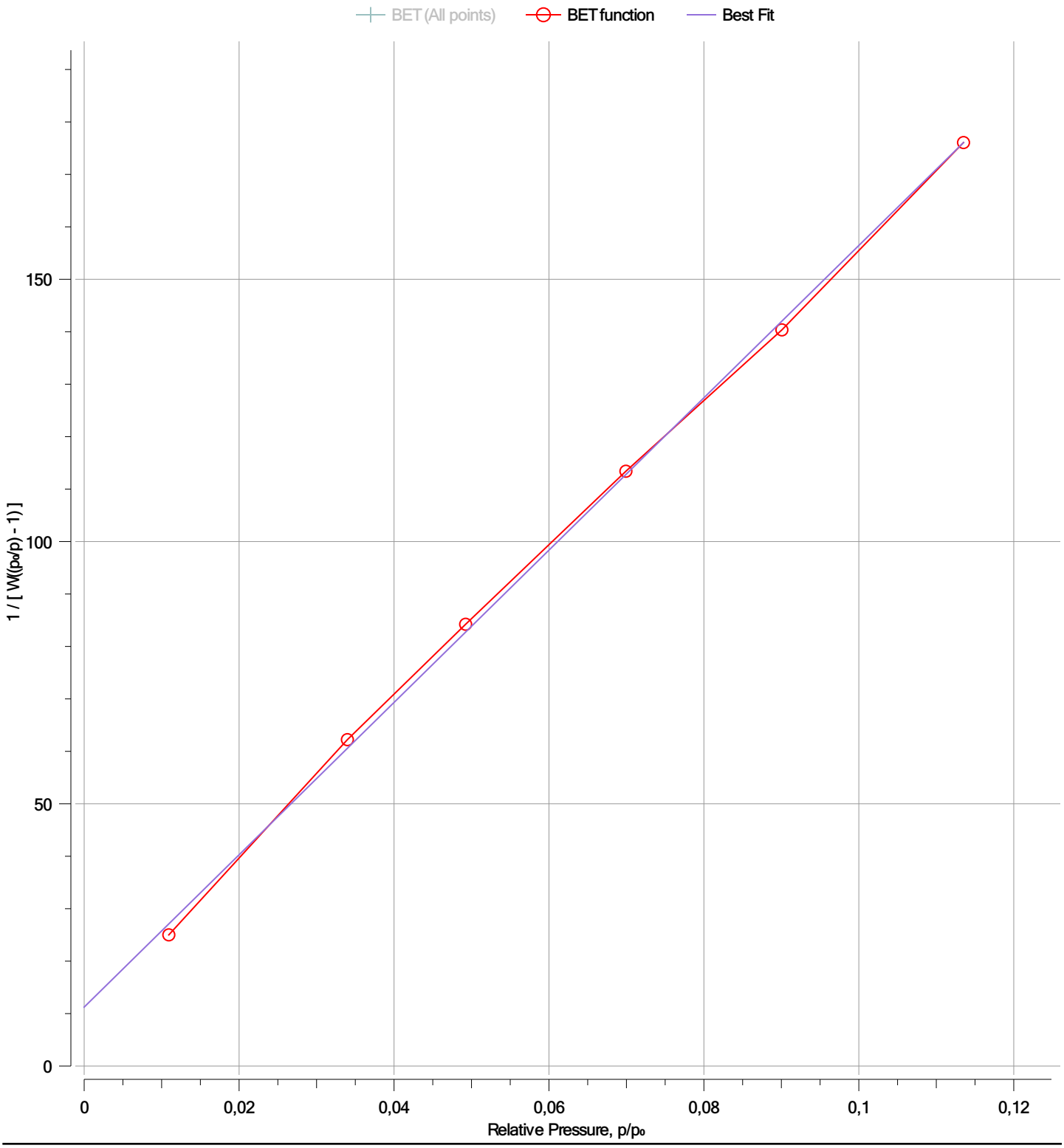
Report date: 12/01/2025 **Operator:** labuser

File Name: BRF700 01-12-2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	1452.08	**Intercept**	11.2381
Correlation coeff., r	0.999581	**C constant**	130.21	**Surface area**	2.380 m²/g

BET-Multipoint BET



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BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0109273	0.353425	25.0113
0.0339796	0.452253	62.2302
0.0492434	0.492004	84.2287
0.0699315	0.530477	113.4073
0.0900683	0.564265	140.3558
0.113513	0.581885	176.0711

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Analysis Data

Sample

ID	brf700 28-11-2025	**Weight**	1.5074 g		
Name	brf700 28-11-2025	**Description**	brf700 28-11-2025		

Analysis

Data ID	{42bc5ced-aa62-4506-a9d7-b61077ce68af}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	12/01/2025	**Duration**	178.93 min
Instrument	St 4 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Ambient Temp.	26.85 °C	**Void Volume Mode**	He Measure	**Cold Zone**	24.8942 cm³
Warm Zone	1.84298 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	brf700 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				