Anton Paar Kaomi for Nova

version 1.05

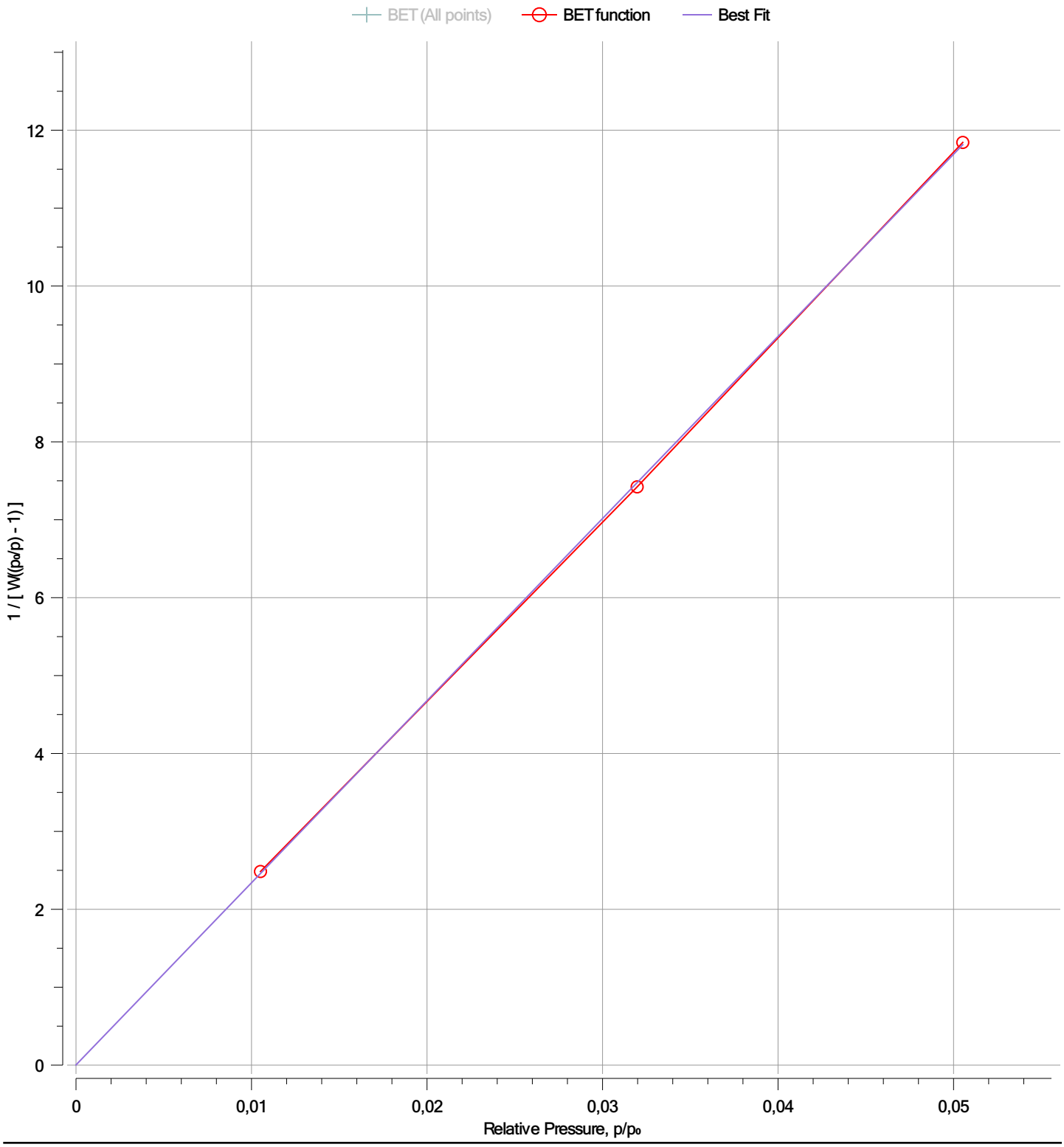
Report date: 11/13/2025 **Operator:** labuser

File Name: PW500 12 11 2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	233.772	**Intercept**	0.00264038
Correlation coeff., r	0.999949	**C constant**	88538.2	**Surface area**	14.897 m²/g

BET-Multipoint BET



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BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0105112	3.42001	2.4852
0.0319723	3.56044	7.4222
0.0505252	3.59501	11.8434

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Analysis Data

Sample

ID	PW 500 BC 11 11 2025	**Weight**	0.7242 g
Name	PW 500 BC 11/11/2025	**Description**	PW 500 BC 11/11/2025

Analysis

Data ID	{16d79d8d-84c9-4293-a087-782d9130e2d0}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	11/12/2025	**Duration**	322.47 min
Instrument	St 2 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Comments:	""				
Ambient Temp.	26.92 °C	**Void Volume Mode**	He Measure	**Cold Zone**	25.3109 cm³
Warm Zone	2.79253 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	PW 500 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				