Anton Paar Kaomi for Nova

version 1.05

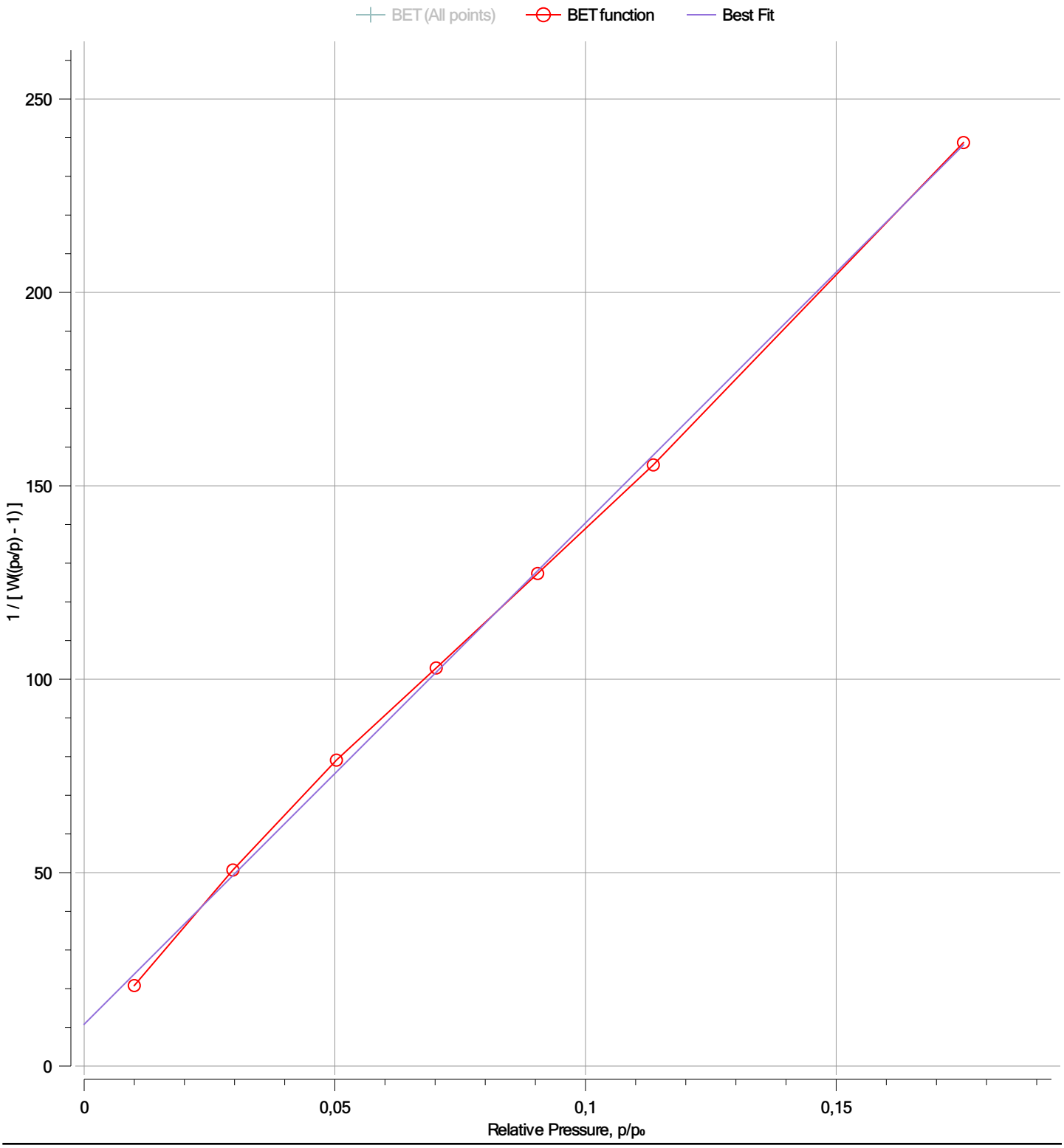
Report date: 11/13/2025 **Operator:** labuser

File Name: WS500 12 11 2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	1296.02	**Intercept**	10.8099
Correlation coeff., r	0.999544	**C constant**	120.891	**Surface area**	2.665 m²/g

BET-Multipoint BET



Report date: 11/13/2025 **Operator:** labuser
File Name: WS500 12 11 2025.qcuPhysIso

BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.00999321	0.388157	20.8070
0.0296697	0.482742	50.6791
0.0503149	0.536014	79.0844
0.0702178	0.587153	102.9117
0.0904544	0.624894	127.3354
0.113525	0.659343	155.4045
0.175398	0.712853	238.7435

Anton Paar Kaomi for Nova

version 1.05

Report date: 11/13/2025 **Operator:** labuser
File Name: WS500 12 11 2025.qcuPhysIso

Analysis Data

Sample

ID	WS500 BC 11 11 2025	**Weight**	0.8178 g
Name	WS500 BC 11 11 2025	**Description**	WS500 BC 11 11 2025

Analysis

Data ID	{306aae16-78ee-430b-a1ab-192264bfe49e}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	11/12/2025	**Duration**	154.05 min
Instrument	St 1 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Ambient Temp.	27.39 °C	**Void Volume Mode**	He Measure	**Cold Zone**	24.2832 cm³
Warm Zone	3.0122 cm³	**Cell Type**	9 mm with filler rod		
Thermal Delay	180 sec	**p_o 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	WS500 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				