Anton Paar Kaomi for Nova

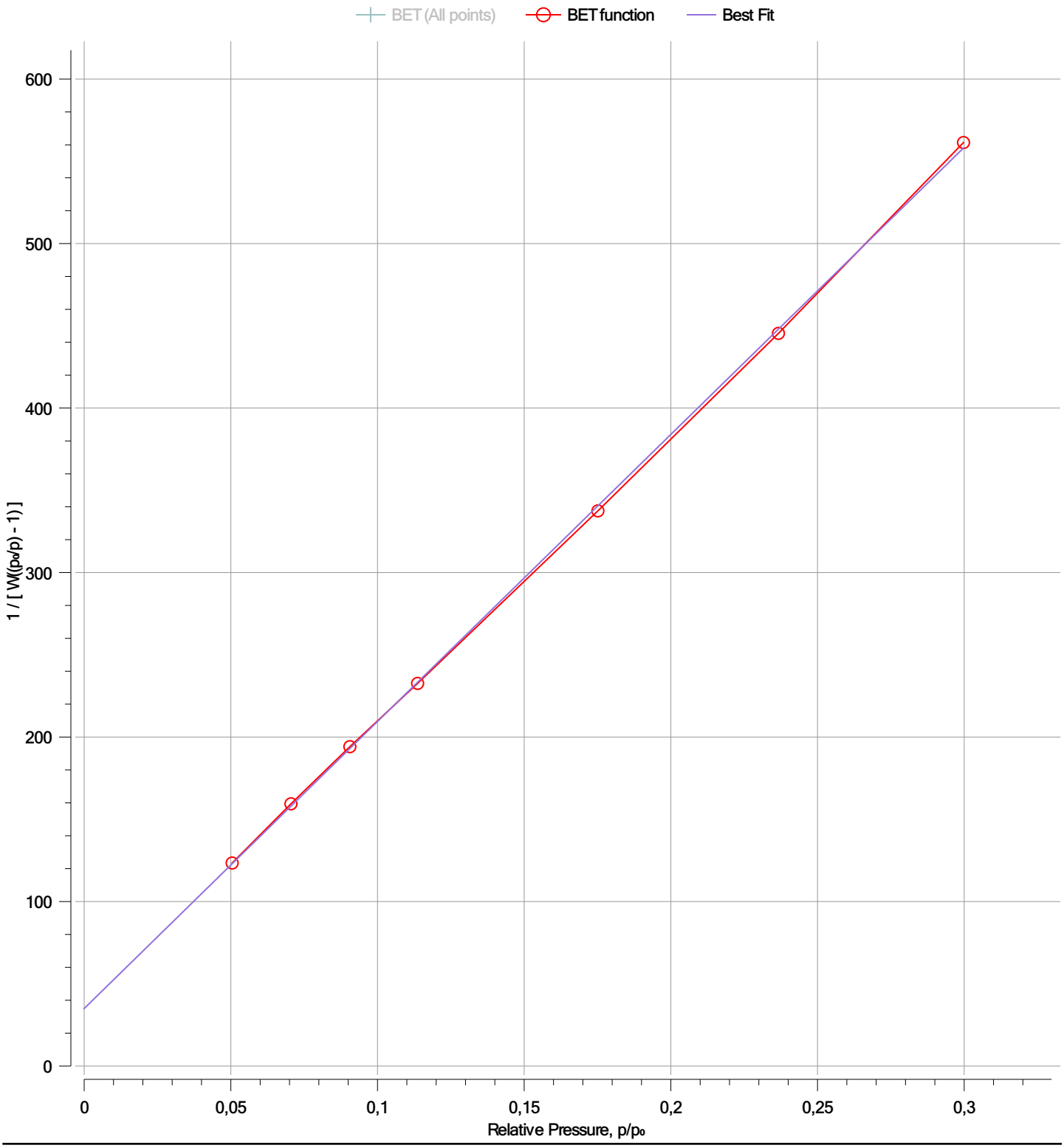
version 1.05

Report date: 11/13/2025 **Operator:** labuser
File Name: WS 350 12 11 2025.qcuPhysIso

Multipoint BET Summary/Results

Isotherm Branch	Adsorption	**Slope**	1745.04	**Intercept**	34.9565
Correlation coeff., r	0.999901	**C constant**	50.9203	**Surface area**	1.956 m²/g

BET-Multipoint BET



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BET-Multipoint BET

Relative Pressure, p/p_o	Volume Adsorbed @STP cm^3/g	$1 / [W((p_o/p) - 1)]$
0.0504526	0.344424	123.4309
0.0704935	0.380668	159.4046
0.0905766	0.410466	194.1436
0.113668	0.441111	232.6180
0.175127	0.503320	337.4991
0.236680	0.556996	445.4023
0.299772	0.610141	561.3987

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Analysis Data

Sample

ID	WS 350 11 11 2025	**Weight**	0.8328 g		
Name	WS 350 11/11/2025	**Description**	WS 350 11/11/2025		

Analysis

Data ID	{b31c3d2b-55e0-434f-8c8e-892dc64a53ef}				
Analysis Profile	N2 10 PT BET(biochar)				
Operator	labuser	**Date**	11/12/2025	**Duration**	191.52 min
Instrument	St 4 on NOVA 800 [s/n:1050059864]			**Firmware**	1.05
Ambient Temp.	27.34 °C	**Void Volume Mode**	He Measure	**Cold Zone**	23.3444 cm³
Warm Zone	3.06252 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	6.6e-05 1/Torr	**Bath Temperature**	77.35 K		

Degas information

Type	Vacuum Degassing
Operator	labuser
Description	WS 350 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				