Anton Paar Kaomi for Nova

version 1.01

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Report date: 01/21/2026 **Operator:** AP
File Name: 0002-BET-05-2026.qcuPhysIso

Analysis Data

Sample

ID	0002-BET-05-2026	**Weight**	0.552 g
Name	0002-BET-05-2026	**Description**	CaOSiO2 Variasi 200 C

Analysis

Data ID	{9bc645d8-3a8e-5g92-d893-681g0f4ha45}				
Analysis Profile	N2 7 PT BET				
Operator	AP	**Date**	01/20/2026	**Duration**	64.21 min
Instrument	St 5 on NOVA 800 [s/ n:1050049711]			**Firmware**	1.03
Comments:	""				
Ambient Temp.	28.66 °C	**Void Volume Mode**	NOVA Mode	**Cell ID**	B5 FR5
Sample Volume	0.173 cm³	**Sample Volume Mode**	Measured	**Cell Type**	9 mm with filler rod
Thermal Delay	180 sec	**p₀ Mode**	Monitor		

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	AP
Description	CaOSiO2 Variasi 200 C
Heating	Heat to 300.0 °C at 10.0 °C/ min then hold for 180 min

Multipoint BET Summary/ Results

Isotherm Branch	Adsorption	**Slope**	145.98	**Intercept**	9.85478
Correlation coeff., r	0.977999	**C constant**	16.032	**Surface area**	22.752 m²/ g

BET-Multipoint BET

Relative Pressure, p/ p₀	Volume Adsorbed @STP cm³/ g	1 / [W((p₀/ p) - 1)]
0.0199541	1.67938	11.9801
0.0944718	4.02299	14.6874
0.140043	4.55014	20.8975
0.176754	4.89927	26.7724
0.229078	5.43121	34.5551
0.261105	5.90241	40.6094
0.309559	6.54908	48.0312

BET-Multipoint BET

