Anton Paar Kaomi for Nova

version 1.01

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Report date: 01/21/2026 **Operator:** AP
File Name: 0002-BET-03-2026.qcuPhysIso

Analysis Data

Sample

ID	0002-BET-03-2026	**Weight**	0.560 g
Name	0002-BET-03-2026	**Description**	CaOSiO2 Variasi 120 C

Analysis

Data ID	{7a954c12-1b8o-4c9l-b782-559d8e1fc54}				
Analysis Profile	N2 7 PT BET				
Operator	AP	**Date**	01/20/2026	**Duration**	52.34 min
Instrument	St 1 on NOVA 800 [s/ n:1050049711]			**Firmware**	1.03
Comments:	""				
Ambient Temp.	28.70 °C	**Void Volume Mode**	NOVA Mode	**Cell ID**	B1 FR1
Sample Volume	0.135 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 120 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**	131.24	**Intercept**	4.82416
Correlation coeff., r	0.980422	**C constant**	24.992	**Surface area**	20.685 m²/ g

BET-Multipoint BET

Relative Pressure, p/ p₀	Volume Adsorbed @STP cm³/ g	1 / [W((p₀/ p) - 1)]
0.0198237	1.85432	10.8237
0.0759346	4.21356	13.9188
0.113638	4.98379	18.1742
0.171294	5.47561	25.8467
0.213875	6.08758	30.4821
0.257184	6.69845	36.6615
0.278746	6.77801	40.9379

BET-Multipoint BET

