Anton Paar Kaomi for Nova

version 1.01

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

Analysis Data

Sample

ID	0002-BET-01-2026	**Weight**	0.556 g
Name	0002-BET-01-2026	**Description**	CaOSiO2 Variasi 160 C

Analysis

Data ID	{940c8309-1724-411a-ba8c-a2d59bb66eaf}				
Analysis Profile	N2 7 PT BET				
Operator	AP	**Date**	01/20/2026	**Duration**	61.47 min
Instrument	St 3 on NOVA 800 [s/n:1050049711]			**Firmware**	1.03
Comments:	""				
Ambient Temp.	28.51 °C	**Void Volume Mode**	NOVA Mode	**Cell ID**	B3 FR3
Sample Volume	0.106 cm³	**Sample Volume Mode**	Measured	**Cell Type**	9 mm with filler rod
Thermal Delay	180 sec	**p_0 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 160 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**	97.5507	**Intercept**	0.214859
Correlation coeff., r	0.999767	**C constant**	455.022	**Surface area**	35.621 m²/g

BET-Multipoint BET

Relative Pressure, p/p_0	Volume Adsorbed @STP cm³/g	$1 / [W((p_0/p) - 1)]$
0.0319428	7.49712	3.5215
0.0808653	8.61542	8.1707
0.127337	9.32562	12.5193
0.170395	9.88742	16.6208
0.212602	10.4076	20.7573
0.253668	10.9110	24.9240
0.295655	11.4371	29.3652

BET-Multipoint BET

