Anton Paar Kaomi for Nova

version 1.01

Copyright ©2020 Anton Paar GmbH

Report date: 01/21/2026 **Operator:** AP
File Name: 0002-BET-04-2026.qcuPhysIso

Analysis Data

Sample

ID	0002-BET-04-2026	**Weight**	0.555 g
Name	0002-BET-04-2026	**Description**	CaOSiO2 Variasi 140 C

Analysis

Data ID	{8c835a15-9e4a-4f81-l979-o6b0fa32ca12}				
Analysis Profile	N2 7 PT BET				
Operator	AP	**Date**	01/20/2026	**Duration**	59.78 min
Instrument	St 2 on NOVA 800 [s/ n:1050049711]			**Firmware**	1.03
Comments:	""				
Ambient Temp.	28.57 °C	**Void Volume Mode**	NOVA Mode	**Cell ID**	B2 FR2
Sample Volume	0.115 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 140 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**	90.7561	**Intercept**	1.69581
Correlation coeff., r	0.991676	**C constant**	116.208	**Surface area**	29.916 m²/ g

BET-Multipoint BET

Relative Pressure, p/ p₀	Volume Adsorbed @STP cm³/ g	1 / [W((p₀/ p) - 1)]
0.0217416	2.45829	5.9451
0.0890452	5.43982	10.8458
0.126751	7.02988	14.3167
0.162405	8.35543	17.3556
0.212369	8.97713	20.1783
0.254756	9.40598	25.9103
0.289901	9.96999	30.0117

BET-Multipoint BET

