

UNIVERSITAS ISLAM INDONESIA

Jl. Kaliurang Km 14.5, Sleman Yogyakarta
LABORATORIUM TERPADU
Quantachrome TouchWin v1.22



Report date: Mon Jan 8 2024 Operator: Yusuf
Filename: 16731223_1.qcuPhysIso

Analysis Information

Sample

ID 1673_1 Weight 0.0863g
Description CFA-5

Analysis

Data ID {660185be-4bef-4b3b-948f-c64486943aa9}
Operator Yusuf Date 2024.01.08 Duration 142.1 min
Instrument St 2 on NOVA touch 4LX [s/n:170170510001] Firmware 1.07
Comments description of sample
Ambient Temp. 20.31°C Void Volume Mode NOVA mode Cell ID 42
Cell Type 9mm with rod Thermal Delay 300 sec Po Mode Continuous

Adsorbate

Name Nitrogen Molecular Weight 28.013g/mol Cross Section Area 16.2 Å²/mol
Non-ideality 6.580000e-05 1/torr Bath Temperature 77.35K

Degas information

Time 1.0 hours Temp 90.000000°C

Data Reduction Parameters

Thermal Transpiration yes Eff. Cell Diameter 0 mm Eff. Molec. Diameter 0 Å

Adsorbate Model

Name Nitrogen Molecular Weight 28.0134g Cross Section Area 16.2 Å²/molec
Bath Temperature 77.35K

BET Multi-point BET results

Isotherm Branch Adsorption
Slope 158.976
Intercept -2.07234
Correlation coeff, r 0.997224
C constant -75.7132
Surface area 22.195 m²/g

Graph - BET Multi-point BET

+ BET (all) ○ BET — BF

