

UNIVERSITAS ISLAM INDONESIA

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LABORATORIUM TERPADU

Quantachrome TouchWin v1.22



Report date: Mon Jan 8 2024 Operator: Yusuf
Filename: 16731223_2.qcuPhysIso

Analysis Information

Sample

ID 1673_2 Weight 0.0855g
Description CFA-CTAB-5

Analysis

Data ID {31f7ffaa-a53f-4a2c-9c5c-4615c1d14882}
Operator Yusuf Date 2024.01.08 Duration 145.9 min
Instrument St 3 on NOVA touch 4LX [s/n:170170510001] Firmware 1.07
Comments description of sample
Ambient Temp. 20.38°C Void Volume Mode NOVA mode Cell ID 43
Cell Type 9mm with rod Thermal Delay 300 sec Po Mode Continuous

Adsorbate

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

Degas information

Time 1.0 hours Temp 90.000000°C

Data Reduction Parameters

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

Table - Isotherm Isotherm

Relative Pressure, P/Po

Volume Adsorbed
@STP
cc/g

0.0482163	10.6227
0.148221	13.6961
0.247354	15.8154
0.347357	18.0506
0.446096	20.6179
0.549984	24.5899
0.650575	29.8064
0.750244	37.8289
0.847526	49.8649
0.946352	89.4148
0.853860	68.4408
0.754421	50.0206
0.653814	36.5760
0.550367	26.8773
0.448470	21.2728
0.350965	17.3159
0.254229	14.9534
0.150380	12.3704
0.0501429	8.89716