

**Quantachrome NovaWin - Data Acquisition and Reduction
for NOVA instruments
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version 11.0**



Analysis

Operator: UEL - QUIMIC
Sample ID: LECA 3
Sample Desc:
Sample weight: 0.0613 g
Outgas Time: 1.0 hrs
Analysis gas: Nitrogen
Press. Tolerance: 0.100/0.100 (ads/des)
Analysis Time: 131.9 min
Cell ID: 0

Date: 2022/11/08

Filename: C:\Users\236795\Documents\Odair\LECA 3\LECA 3.qps
Comment: {76}
Sample Volume: 0 cc
OutgasTemp: 100.0 C
Bath Temp: 77.3 K
Equil time: 60/60 sec (ads/des)
End of run: 2022/11/08 17:07:30

Report

Operator: UEL - QUIMICA
Date: 11/18/2022

Equil timeout: 240/240 sec (ads/des)
Instrument: Nova Station A
F/W version: 11.03.01.003

Area-Volume Summary

Data Reduction Parameters Data

Adsorbate	Nitrogen	Temperature	77.350K	Liquid Density:	0.808 g/cc
	Molec. Wt.: 28.013 g	Cross Section:	16.200 Å²		

Surface Area Data

MultiPoint BET	9.383e+00 m²/g
BJH method cumulative adsorption surface area.....	5.174e+00 m²/g
BJH method cumulative desorption surface area.....	8.711e+00 m²/g
DH method cumulative adsorption surface area.....	5.240e+00 m²/g
DH method cumulative desorption surface area.....	8.860e+00 m²/g

Pore Volume Data

Total pore volume for pores with Radius less than 87.48 nm at P/Po = 0.988913.....	4.126e-02 cc/g
BJH method cumulative adsorption pore volume.....	3.920e-02 cc/g
BJH method cumulative desorption pore volume.....	4.255e-02 cc/g
DH method cumulative adsorption pore volume.....	3.814e-02 cc/g
DH method cumulative desorption pore volume.....	4.152e-02 cc/g
HK method cumulative pore volume.....	3.458e-03 cc/g
SF method cumulative pore volume.....	3.576e-03 cc/g

Pore Size Data

Average pore Radius	8.794e+00 nm
BJH method adsorption pore Radius (Mode Dv(r)).....	2.485e+00 nm
BJH method desorption pore Radius (Mode Dv(r)).....	1.871e+00 nm
DH method adsorption pore Radius (Mode Dv(r)).....	2.485e+00 nm
DH method desorption pore Radius (Mode Dv(r)).....	1.871e+00 nm
HK method pore Radius (Mode).....	1.838e-01 nm
SF method pore Radius (Mode).....	2.261e-01 nm