

Analysis

Operator: UEL - QUIMICA
Sample ID: LECA 13G
Sample Desc: LECA 13G
Sample weight: 0.1683 g
Outgas Time: 3.0 hrs
Analysis gas: Nitrogen
Press. Tolerance: 0.100/0.100 (ads/des)
Analysis Time: 228.4 min
Cell ID: 0

Date: 2022/11/09

Filename:

Comment:

Sample Volume: 0 cc

Outgas Temp: 300.0 C

Bath Temp: 77.3 K

Equil time: 60/60 sec (ads/des)

End of run: 2022/11/09 15:36:49

Report

Operator: UEL - QUIMICA

Date: 11/18/2022

C:\Users\236795\Documents\Odair\LECA 13G\LECA 13G.qps

Equil timeout: 240/240 sec (ads/des)

Instrument: Nova Station A

F/W version: 0.00

Area-Volume Summary

Data Reduction Parameters Data

Adsorbate	Nitrogen	Temperature	77.350K	Liquid Density:	0.808 g/cc
	Molec. Wt.:	Cross Section:	16.200 Å ²		
	28.013 g				

Surface Area Data

MultiPoint BET	2.529e+02 m ² /g
BJH method cumulative adsorption surface area	4.047e+01 m ² /g
BJH method cumulative desorption surface area	5.369e+01 m ² /g
DH method cumulative adsorption surface area	4.119e+01 m ² /g
DH method cumulative desorption surface area	5.464e+01 m ² /g

Pore Volume Data

Total pore volume for pores with Radius less than 70.38 nm at P/Po = 0.986168	2.715e-01 cc/g
BJH method cumulative adsorption pore volume	1.610e-01 cc/g
BJH method cumulative desorption pore volume	1.663e-01 cc/g
DH method cumulative adsorption pore volume	1.573e-01 cc/g
DH method cumulative desorption pore volume	1.627e-01 cc/g
HK method cumulative pore volume	1.171e-01 cc/g
SF method cumulative pore volume	1.184e-01 cc/g

Pore Size Data

Average pore Radius	2.148e+00 nm
BJH method adsorption pore Radius (Mode Dv(r))	1.676e+00 nm
BJH method desorption pore Radius (Mode Dv(r))	1.865e+00 nm
DH method adsorption pore Radius (Mode Dv(r))	1.676e+00 nm
DH method desorption pore Radius (Mode Dv(r))	1.865e+00 nm
HK method pore Radius (Mode)	1.838e-01 nm
SF method pore Radius (Mode)	2.261e-01 nm