

Analysis

Operator: UEL - QUIMICA
Sample ID: LECA 4
Sample Desc: LECA 4
Sample weight: 0.0619 g
Outgas Time: 3.0 hrs
Analysis gas: Nitrogen
Press. Tolerance: 0.100/0.100 (ads/des)
Analysis Time: 125.1 min
Cell ID: 0

Date: 2022/11/08

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: 2022/11/08 13:32:12

Report

Operator: UEL - QUIMICA

Date: 11/18/2022

C:\Users\236795\Documents\Odair\LECA 4\LECA 4.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	1.401e+01 m ² /g
BJH method cumulative adsorption surface area	8.321e+00 m ² /g
BJH method cumulative desorption surface area	1.022e+01 m ² /g
DH method cumulative adsorption surface area	8.441e+00 m ² /g
DH method cumulative desorption surface area	1.039e+01 m ² /g

Pore Volume Data

Total pore volume for pores with Radius less than 76.26 nm at P/Po = 0.987253	5.471e-02 cc/g
BJH method cumulative adsorption pore volume	5.165e-02 cc/g
BJH method cumulative desorption pore volume	5.313e-02 cc/g
DH method cumulative adsorption pore volume	5.028e-02 cc/g
DH method cumulative desorption pore volume	5.183e-02 cc/g
HK method cumulative pore volume	5.154e-03 cc/g
SF method cumulative pore volume	5.330e-03 cc/g

Pore Size Data

Average pore Radius	7.810e+00 nm
BJH method adsorption pore Radius (Mode Dv(r))	2.189e+00 nm
BJH method desorption pore Radius (Mode Dv(r))	2.115e+00 nm
DH method adsorption pore Radius (Mode Dv(r))	2.189e+00 nm
DH method desorption pore Radius (Mode Dv(r))	2.115e+00 nm
HK method pore Radius (Mode)	1.838e-01 nm
SF method pore Radius (Mode)	2.261e-01 nm