

Report date: 12/21/2022 Operator: JW  
File Name: Lot No 5117.qcuPhysIso

Analysis Data

**Sample**

ID 2007a Weight 1.9587g

**Analysis**

<b>Data ID</b>	{8e088134-e04a-4969-b82d-6539c6ea3a50}	<b>Date</b>	09/14/2020	<b>Duration</b>	43.60 min
<b>Operator</b>	JW	<b>Void Volume Mode</b>	He Measure	<b>Firmware</b>	1.06
<b>Instrument</b>	St 1 on NOVA touch 4LX [s/n:1050014498]	<b>Cell Type</b>	9 mm with filler rod	<b>Cold Zone</b>	22.8529 cm <sup>3</sup>
<b>Ambient Temp.</b>	24.45 °C	<b>po Mode</b>	Calculate		
<b>Warm Zone</b>	4.18593 cm <sup>3</sup>				
<b>Thermal Delay</b>	600 sec				

**Adsorbate**

**Name** Nitrogen **Molecular Weight** 28.013 g/mol **Cross Sectional Area** 16.2 Å<sup>2</sup>/molecule  
**Non-Ideality** 6.6e-05 1/Torr **Bath Temperature** 77.35 K

**Degas information**

**Type** Flow Degassing  
**Operator** JW  
**Heating** Heat to 300.0 °C at 20.0 °C/min then hold for 180 min

Multipoint BET Summary/Results

<b>Isotherm Branch</b>	Adsorption	<b>Slope</b>	1231.05	<b>Intercept</b>	8.98045
<b>Correlation coeff., r</b>	1	<b>C constant</b>	138.081	<b>Surface area</b>	2.808 m <sup>2</sup> /g

BET-Multipoint BET

Relative Pressure, p/p <sub>0</sub>	Volume Adsorbed @STP cm <sup>3</sup> /g	1 / [ W((p <sub>0</sub> /p) - 1) ]
0.0475349	0.592100	67.4402
0.174318	0.755139	223.6939
0.297403	0.903051	375.0388

BET-Multipoint BET

—+— BET (All points)    —○— BET function    — Best Fit

