

**Report date:** Fri Feb 10 2023      **Operator:** JW  
**Filename:** Jan 2023 PV N2.qcuBET

Analysis Data

**Sample**  
**Sample ID** Lot 2414      **Carrier Gas** Helium      **Adsorbate** Nitrogen  
**Weight** 0.4309g  
**Description**

**Degas**  
**Degas Step 1** heat to 125 °C at 10 °C/min, soak for 60 minutes  
**Degas Step 2** heat to 300 °C at 10 °C/min, soak for 30 minutes

**Analysis**  
**Data ID** {6b4d3c1f-104a-426b-80ca-2109988bf33e}  
**Operator** JW      **Date** 2023.01.13 15:02      **Duration** 144.167min  
**Instrument** AutoFlow 654      **Station** 2  
**Firmware** 2.0.13  
**Comments** PTL Carbon Black SRB8-B AF102.01 PTL Project: Jan 2023 PV N2 PTL ID: 4803

Multi-point BET

Relative Pressure	Volume Adsorbed @STP cc/g	1 / [ W((Po/P) - 1) ]
0.0505704	31.7067	1.3441
0.0711373	33.4797	1.8303
0.101458	35.4894	2.5457
0.121911	36.7842	3.0199
0.153504	38.4567	3.7729
0.174197	39.7127	4.2500
0.203802	41.0917	4.9841

Multipoint BET Summary/Results

**Isotherm Branch** Adsorption      **Slope** 23.6674      **Intercept** 0.142923  
**Correlation coeff., r** 0.999967      **C constant** 166.596      **Surface area** 146.261 m<sup>2</sup>/g

Multi-point BET

+ BET (all)    ⊖ - BF

