

Micromeritics Instrument Corp

AutoPore IV 9500 V1.10

Serial: 1431

Port: 2/1

Page 1

Sample ID: 21R-1
Operator: Glen Baum
Submitter: Michael Nole
File: C:\9500\DATA\2018\000-451.SMP

LP Analysis Time: 7/12/2018 10:30:21AM
HP Analysis Time: 7/12/2018 11:57:45AM
Report Time: 7/18/2018 6:39:39AM

Sample Weight: 5.9080 g
Correction Type: Blank
Show Neg. Int: No

Summary Report

Penetrometer parameters

Penetrometer:	0470 - (25) 15 Bulb, 4.185 Stem, Solid		
Pen. Constant:	34.480 $\mu\text{L/pF}$	Pen. Weight:	72.6320 g
Stem Volume:	4.1850 mL	Max. Head Pressure:	4.4500 psia
Pen. Volume:	19.1760 mL	Assembly Weight:	292.1780 g

Hg Parameters

Adv. Contact Angle:	130.000 degrees	Rec. Contact Angle:	130.000 degrees
Hg Surface Tension:	485.000 dynes/cm	Hg Density:	13.5335 g/mL

User Parameters

Param 1:	0.000	Param 2:	0.000	Param 3:	0.000
----------	-------	----------	-------	----------	-------

Low Pressure:

Evacuation Pressure:	50 μmHg
Evacuation Time:	5 mins
Mercury Filling Pressure:	0.57 psia
Equilibration Time:	10 secs

High Pressure:

Equilibration Time:	10 secs
---------------------	---------

Blank Correction Sample: C:\9500\DATA\9410DATA\000-183.SMP

Blank Correction ID: Blank Correction for PEN 25-0470

Intrusion Data Summary

Total Intrusion Volume =	0.1767 mL/g
Total Pore Area =	5.645 m^2/g
Median Pore Diameter (Volume) =	0.1805 μm
Median Pore Diameter (Area) =	0.0844 μm
Average Pore Diameter (4V/A) =	0.1252 μm
Bulk Density at 0.57 psia =	1.7427 g/mL
Apparent (skeletal) Density at 59739.76 psia =	2.5182 g/mL
Porosity =	30.7956 %
Stem Volume Used =	27 %