

Micromeritics Instrument Corp

AutoPore IV 9500 V1.10

Serial: 1431

Port: 2/1

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Sample ID: 3R-1
Operator: Glen Baum
Submitter: Michael Nole
File: C:\9500\DATA\2018\000-452.SMP

LP Analysis Time: 7/12/2018 4:00:27PM
HP Analysis Time: 7/17/2018 7:05:18AM
Report Time: 7/18/2018 6:39:55AM

Sample Weight: 5.9120 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:	72.6070 g
Stem Volume:	4.1850 mL	Max. Head Pressure:	4.4500 psia
Pen. Volume:	19.1760 mL	Assembly Weight:	290.9620 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
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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
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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 =	0.1957 mL/g
Total Pore Area =	5.287 m^2/g
Median Pore Diameter (Volume) =	0.2975 μm
Median Pore Diameter (Area) =	0.0732 μm
Average Pore Diameter (4V/A) =	0.1480 μm
Bulk Density at 0.57 psia =	1.6996 g/mL
Apparent (skeletal) Density at 59887.48 psia =	2.5465 g/mL
Porosity =	33.2559 %
Stem Volume Used =	30 %