

Micromeritics Instrument Corp

AutoPore IV 9500 V1.10

Serial: 1431

Port: 2/1

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Sample ID: 28F-4 (107-112 cm)
Operator: Glen Baum
Submitter: Michael Nole
File: C:\9500\DATA\2018\000-438.SMP

LP Analysis Time: 6/12/2018 7:25:45AM
HP Analysis Time: 6/12/2018 8:18:53AM
Report Time: 6/12/2018 8:19:53AM

Sample Weight: 5.7150 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 µL/pF Pen. Weight: 72.6500 g
Stem Volume: 4.1850 mL Max. Head Pressure: 4.4500 psia
Pen. Volume: 19.1760 mL Assembly Weight: 286.8680 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: 0.58 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 = 0.2591 mL/g
Total Pore Area = 6.246 m²/g
Median Pore Diameter (Volume) = 0.3857 µm
Median Pore Diameter (Area) = 0.0652 µm
Average Pore Diameter (4V/A) = 0.1659 µm
Bulk Density at 0.58 psia = 1.5161 g/mL
Apparent (skeletal) Density at 59818.11 psia = 2.4967 g/mL
Porosity = 39.2751 %
Stem Volume Used = 37 %