

Sample: AMW
Operator: M.H
Submitter: s/n 212
File: C:\MicroActive for ASAP 2460\data\UES\AMW.SMP

Started: 2015/10/16 15:32:38	Analysis Adsorptive: N2
Completed: 2015/10/16 23:36:42	Analysis Bath Temp.: -195.800 °C
Report Time: 2016/11/24 17:29:21	Thermal Correction: No
Sample Mass: 0.0960 g	Warm Free Space: 17.4464 cm ³ Measured
Cold Free Space: 51.5204 cm ³	Equilibration Interval: 10 s
Low Pressure Dose: 20.0000 cm ³ /g STP	Sample Density: 1.000 g/cm ³
Automatic Degas: No	

Summary Report

Surface Area

BET Surface Area: 1,063.6350 m²/g
Langmuir Surface Area: 1,544.8600 m²/g
t-Plot Micropore Area: 631.1097 m²/g

Pore Volume

t-Plot micropore volume: 0.257863 cm³/g
BJH Adsorption cumulative volume of pores
between 1.7000 nm and 300.0000 nm diameter: 0.222747 cm³/g
BJH Desorption cumulative volume of pores
between 1.7000 nm and 300.0000 nm diameter: 0.218230 cm³/g

Pore Size

BJH Adsorption average pore diameter (4V/A): 3.4317 nm
BJH Desorption average pore diameter (4V/A): 3.3713 nm

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BJH Adsorption Pore Distribution Report

Faas Correction

Harkins and Jura

$$t = [13.99 / (0.034 - \log(P/P_0))] ^{0.5}$$

Diameter Range: 1.7000 nm to 300.0000 nm

Adsorbate Property Factor: 0.95300 nm

Density Conversion Factor: 0.0015468

Fraction of Pores Open at Both Ends: 0.00

Pore Diameter Range (nm)	Average Diameter (nm)	Incremental Pore Volume (cm ³ /g)	Cumulative Pore Volume (cm ³ /g)	Incremental Pore Area (m ² /g)	Cumulative Pore Area (m ² /g)
293.4 - 156.3	186.1	0.005416	0.005416	0.116	0.116
156.3 - 90.4	106.6	0.006398	0.011813	0.240	0.357
90.4 - 63.3	72.1	0.004970	0.016784	0.276	0.632
63.3 - 48.6	54.0	0.004166	0.020949	0.309	0.941
48.6 - 38.4	42.2	0.004146	0.025095	0.393	1.334
38.4 - 26.5	30.2	0.007344	0.032439	0.972	2.305
26.5 - 20.4	22.6	0.005969	0.038407	1.056	3.362
20.4 - 16.5	18.0	0.005274	0.043681	1.171	4.533
16.5 - 13.9	15.0	0.004858	0.048540	1.298	5.831
13.9 - 12.0	12.8	0.004497	0.053036	1.406	7.237
12.0 - 10.5	11.2	0.004266	0.057302	1.528	8.765
10.5 - 9.4	9.9	0.004003	0.061305	1.619	10.384
9.4 - 8.5	8.9	0.003917	0.065222	1.766	12.150
8.5 - 7.7	8.0	0.003631	0.068853	1.808	13.958
7.7 - 7.0	7.3	0.003559	0.072412	1.941	15.899
7.0 - 6.5	6.7	0.003374	0.075786	2.004	17.903
6.5 - 6.0	6.2	0.003294	0.079080	2.119	20.022
6.0 - 5.6	5.8	0.003205	0.082285	2.223	22.245
5.6 - 5.2	5.4	0.003058	0.085343	2.278	24.523
5.2 - 4.9	5.0	0.003052	0.088395	2.434	26.957
4.9 - 4.6	4.7	0.002972	0.091367	2.531	29.488
4.6 - 4.3	4.4	0.003119	0.094486	2.829	32.316
4.3 - 4.0	4.1	0.003148	0.097633	3.034	35.351
4.0 - 3.8	3.9	0.003447	0.101081	3.527	38.877
3.8 - 3.6	3.7	0.003578	0.104659	3.879	42.756
3.6 - 3.4	3.5	0.003962	0.108621	4.546	47.302
3.4 - 3.2	3.3	0.004195	0.112816	5.090	52.392
3.2 - 3.0	3.1	0.004668	0.117484	5.987	58.379
3.0 - 2.9	3.0	0.004858	0.122343	6.571	64.949
2.9 - 2.7	2.8	0.005717	0.128060	8.154	73.103
2.7 - 2.6	2.7	0.006224	0.134284	9.373	82.476
2.6 - 2.5	2.5	0.007059	0.141342	11.223	93.698
2.5 - 2.3	2.4	0.007829	0.149171	13.141	106.840
2.3 - 2.2	2.3	0.009216	0.158387	16.345	123.185
2.2 - 2.1	2.1	0.010635	0.169022	19.953	143.138
2.1 - 1.9	2.0	0.013894	0.182916	27.709	170.847

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1.9 - 1.8	1.9	0.017230	0.200146	36.769	207.616
1.8 - 1.7	1.7	0.022601	0.222747	52.015	259.631