



Analysis

Operator: Demo
Sample ID: Ha-AL30minXlinkedSLABWASHED0702025
Sample Desc:
Sample Weight: 0.1306 g
Approx. Outgas Time: 10.1 hrs
Analysis gas: Nitrogen
Analysis Time: 13:17 hr:min
Analysis Mode: Standard
VoidVol. Mode: He Measure

Date: 2025/07/03

Report

Operator: Anton Parr
Date: 2025/07/06
Filename: SARM2012_st3_2025_07_03_11_48_39.qps
Comment:
Instrument: Autosorb iQ Station 3
Final Outgas Temp.: 80 °C
Non-ideality: 6.58e-05 1/Torr
Bath temp.: 77.35 K
Cold Zone V: 2.18984 cc
Extended info: Available
CellType: 9mm
VoidVol Remeasure: off
Warm Zone V: 19.5312 cc

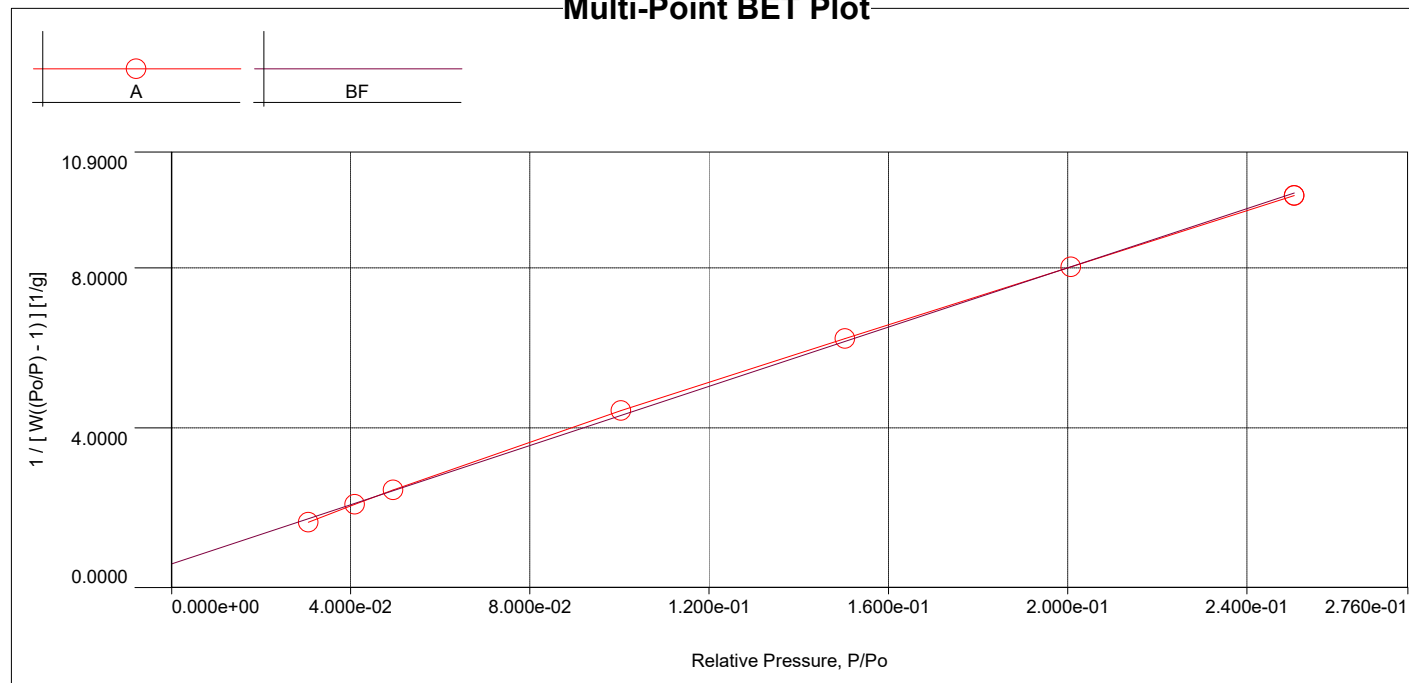
Data Reduction Parameters

<u>Adsorbate model</u>	Thermal Transpiration: on	Eff. mol. diameter (D): 3.54 Å	Eff. cell stem diam. (d): 4.0000 mm
	Nitrogen	Temperature 77.350K	
	Molec. Wt.: 28.013	Cross Section: 16.200 Å²	Liquid Density: 0.808 g/cc

MBET summary

Slope = 37.070 1/g
Intercept = 5.933e-01 1/g
Correlation coefficient, r = 0.999732
C constant = 63.486
Surface Area = 92.465 m²/g

Multi-Point BET Plot



Multi-Point BET

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((Po/P) - 1)] [1/g]	Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((Po/P) - 1)] [1/g]
3.05804e-02	15.4826	1.6302e+00	1.50312e-01	22.7097	6.2328e+00
4.08847e-02	16.3873	2.0813e+00	2.00707e-01	25.0232	8.0292e+00
4.94539e-02	17.0314	2.4442e+00	2.50589e-01	27.2633	9.8134e+00
1.00310e-01	20.1619	4.4246e+00			



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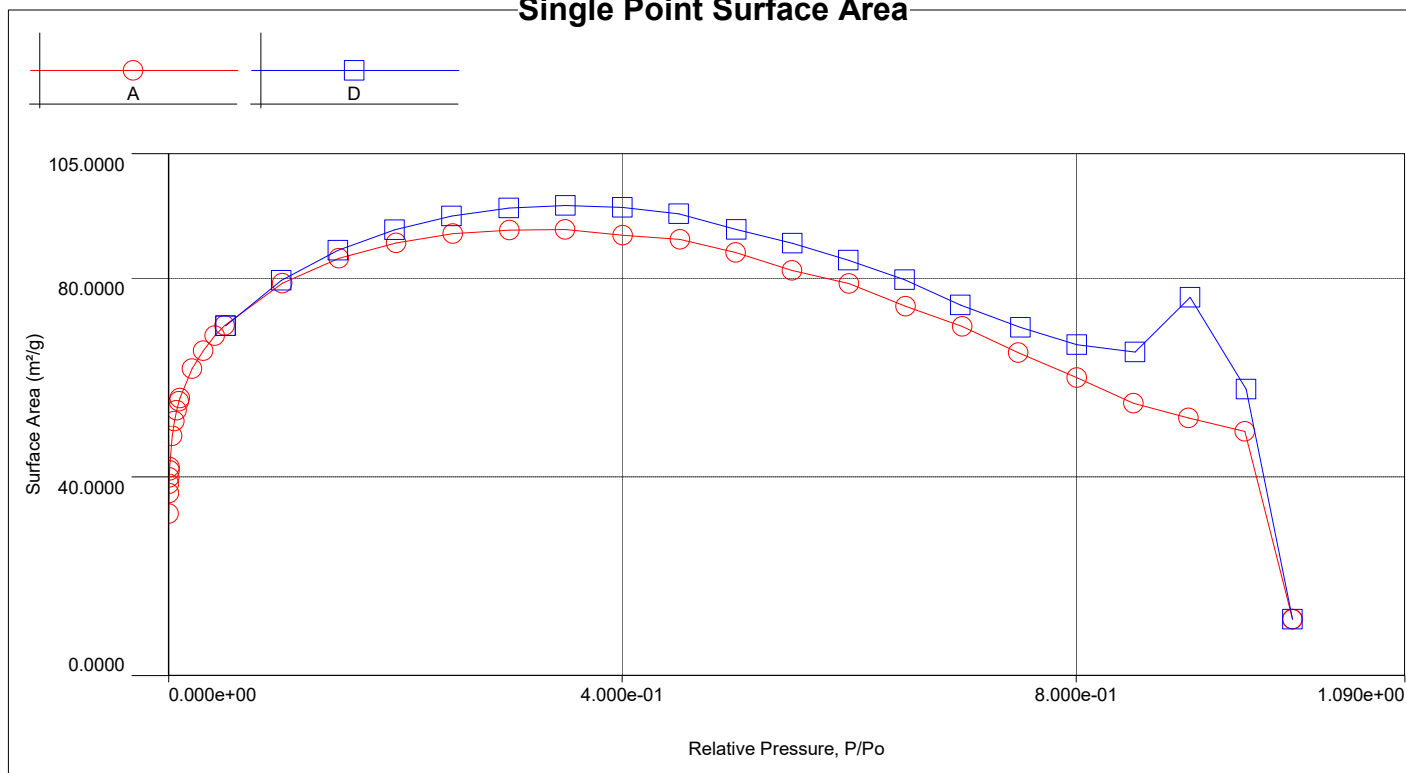
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Single Point Surface Area



Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [m²/g]
1.46823e-04	7.4885	1.5690e-02	106.8632	32.5890
3.60297e-04	8.4293	3.4212e-02	94.9557	36.6757
5.34088e-04	8.8571	4.8273e-02	90.3848	38.5305
7.03519e-04	9.1674	6.1446e-02	87.3404	39.8735
9.33366e-04	9.4966	7.8713e-02	84.3324	41.2957
1.04679e-03	9.6333	8.7036e-02	83.1452	41.8853
3.27133e-03	11.1211	2.3613e-01	72.1823	48.2468
5.20234e-03	11.8209	3.5397e-01	68.0411	51.1833
7.13760e-03	12.3462	4.6589e-01	65.2729	53.3539
9.18656e-03	12.7954	5.7978e-01	63.1120	55.1807
1.00494e-02	12.9602	6.2671e-01	62.3635	55.8430
2.07953e-02	14.4815	1.1734e+00	56.4246	61.7207
3.05804e-02	15.4826	1.6302e+00	53.3089	65.3280
4.08847e-02	16.3873	2.0813e+00	50.9071	68.4102
4.94539e-02	17.0314	2.4442e+00	49.4234	70.4639
1.00310e-01	20.1619	4.4246e+00	44.1095	78.9527
1.50312e-01	22.7097	6.2328e+00	41.4654	83.9872
2.00707e-01	25.0232	8.0292e+00	40.0044	87.0545
2.50589e-01	27.2633	9.8134e+00	39.1613	88.9287
3.00454e-01	29.4343	1.1675e+01	38.8585	89.6218
3.49679e-01	31.7233	1.3562e+01	38.7839	89.7942
4.00426e-01	33.9489	1.5740e+01	39.3087	88.5954
4.50893e-01	36.7281	1.7889e+01	39.6736	87.7805
4.99981e-01	39.1047	2.0459e+01	40.9205	85.1057
5.49626e-01	41.5865	2.3480e+01	42.7200	81.5208
5.99958e-01	45.2932	2.6493e+01	44.1589	78.8645

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Single Point Surface Area continued

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [m²/g]
6.49895e-01	48.7745	3.0451e+01	46.8560	74.3249
6.99803e-01	53.7732	3.4687e+01	49.5661	70.2611
7.49082e-01	59.4940	4.0150e+01	53.5983	64.9753
8.00776e-01	69.0975	4.6544e+01	58.1235	59.9167
8.50592e-01	84.2182	5.4087e+01	63.5880	54.7677
8.99166e-01	118.0973	6.0416e+01	67.1910	51.8308
9.48929e-01	220.9129	6.7297e+01	70.9187	49.1064
9.90716e-01	280.0924	3.0483e+02	307.6827	11.3187
9.49994e-01	264.6215	5.7442e+01	60.4654	57.5960
9.00654e-01	176.0143	4.1211e+01	45.7572	76.1096
8.52063e-01	101.1133	4.5577e+01	53.4898	65.1071
8.00689e-01	76.7530	4.1879e+01	52.3034	66.5840
7.50996e-01	64.6349	3.7335e+01	49.7145	70.0513
6.97958e-01	56.7368	3.2588e+01	46.6901	74.5890
6.49022e-01	52.1468	2.8373e+01	43.7169	79.6618
5.99338e-01	47.9342	2.4969e+01	41.6613	83.5923
5.49872e-01	44.4087	2.2010e+01	40.0269	87.0057
5.00585e-01	41.2972	1.9420e+01	38.7949	89.7687
4.49935e-01	38.8141	1.6862e+01	37.4759	92.9280
4.00184e-01	36.0820	1.4795e+01	36.9699	94.2001
3.50000e-01	33.4379	1.2885e+01	36.8133	94.6008
3.00032e-01	30.8913	1.1102e+01	37.0034	94.1148
2.49568e-01	28.3156	9.3974e+00	37.6548	92.4867
1.99352e-01	25.7325	7.7420e+00	38.8358	89.6740
1.49505e-01	23.1181	6.0840e+00	40.6942	85.5789
9.94054e-02	20.2950	4.3516e+00	43.7762	79.5538
5.03932e-02	17.0302	2.4932e+00	49.4757	70.3895