



Analysis

Operator: Demo
Sample ID: Ha-AL30minXlinkedSLABNOTWASHED0702025
Sample Desc:
Sample Weight: 0.1419 g
Approx. Outgas Time: 10.1 hrs
Analysis gas: Nitrogen
Analysis Time: 13:59 hr:min
Analysis Mode: Standard
VoidVol. Mode: He Measure

Date: 2025/07/03

Report

Operator: Anton Parr
Date: 2025/07/06
Filename: SARM2012_st2_2025_07_03_11_48_39.qps
Comment:
Instrument: Autosorb iQ Station 2
Final Outgas Temp.: 80 °C
Non-ideality: 6.58e-05 1/Torr
Bath temp.: 77.35 K
Cold Zone V: 2.17618 cc
Extended info: Available
CellType: 9mm
VoidVol Remeasure: off
Warm Zone V: 16.4057 cc

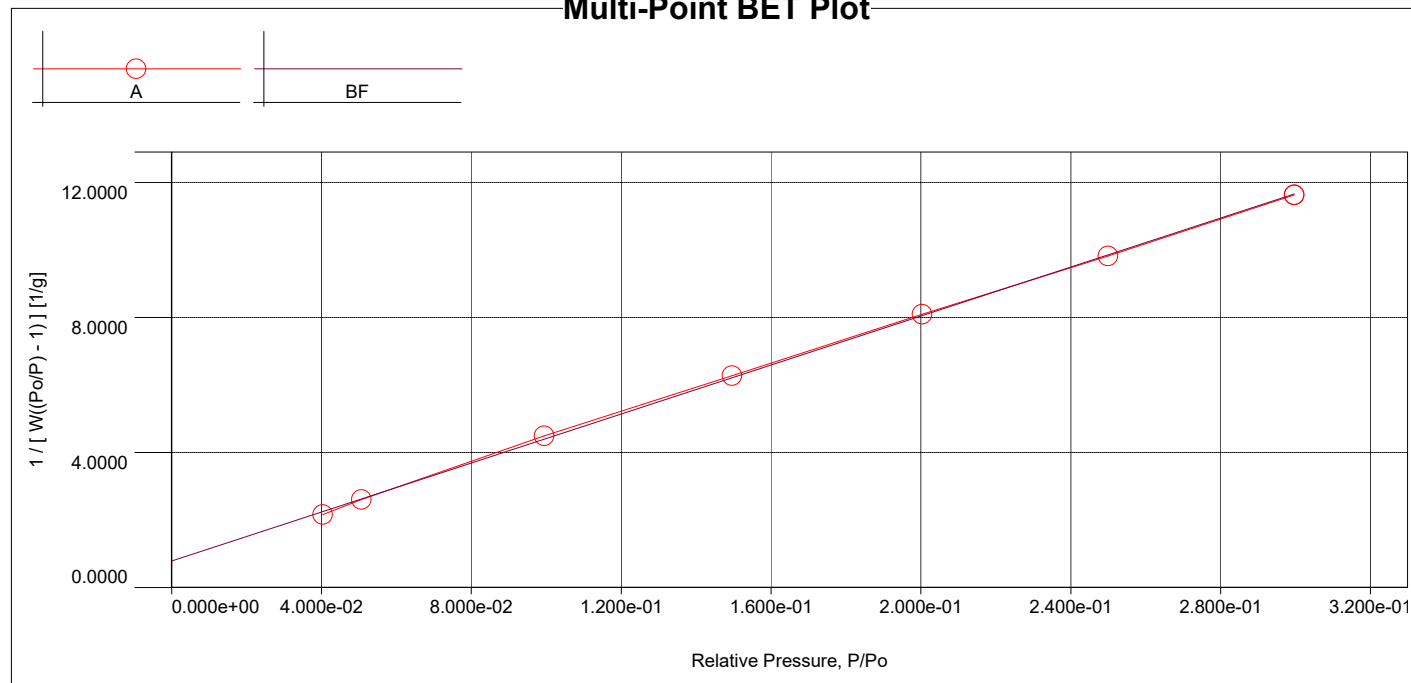
Data Reduction Parameters

<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 = 36.320 1/g
Intercept = 7.826e-01 1/g
Correlation coefficient, r = 0.999841
C constant = 47.411
Surface Area = 93.863 m²/g

Multi-Point BET Plot



Multi-Point BET

Relative Pressure [P/Po]	Volume @ STP [cc/g]	$1 / [W((P_o/P) - 1)]$ [1/g]	Relative Pressure [P/Po]	Volume @ STP [cc/g]	$1 / [W((P_o/P) - 1)]$ [1/g]
4.03792e-02	15.5842	2.1604e+00	2.00312e-01	24.7620	8.0939e+00
5.07413e-02	16.4487	2.6002e+00	2.49911e-01	27.1352	9.8242e+00
9.94869e-02	19.6806	4.4915e+00	2.99672e-01	29.4424	1.1629e+01
1.49590e-01	22.4426	6.2713e+00			



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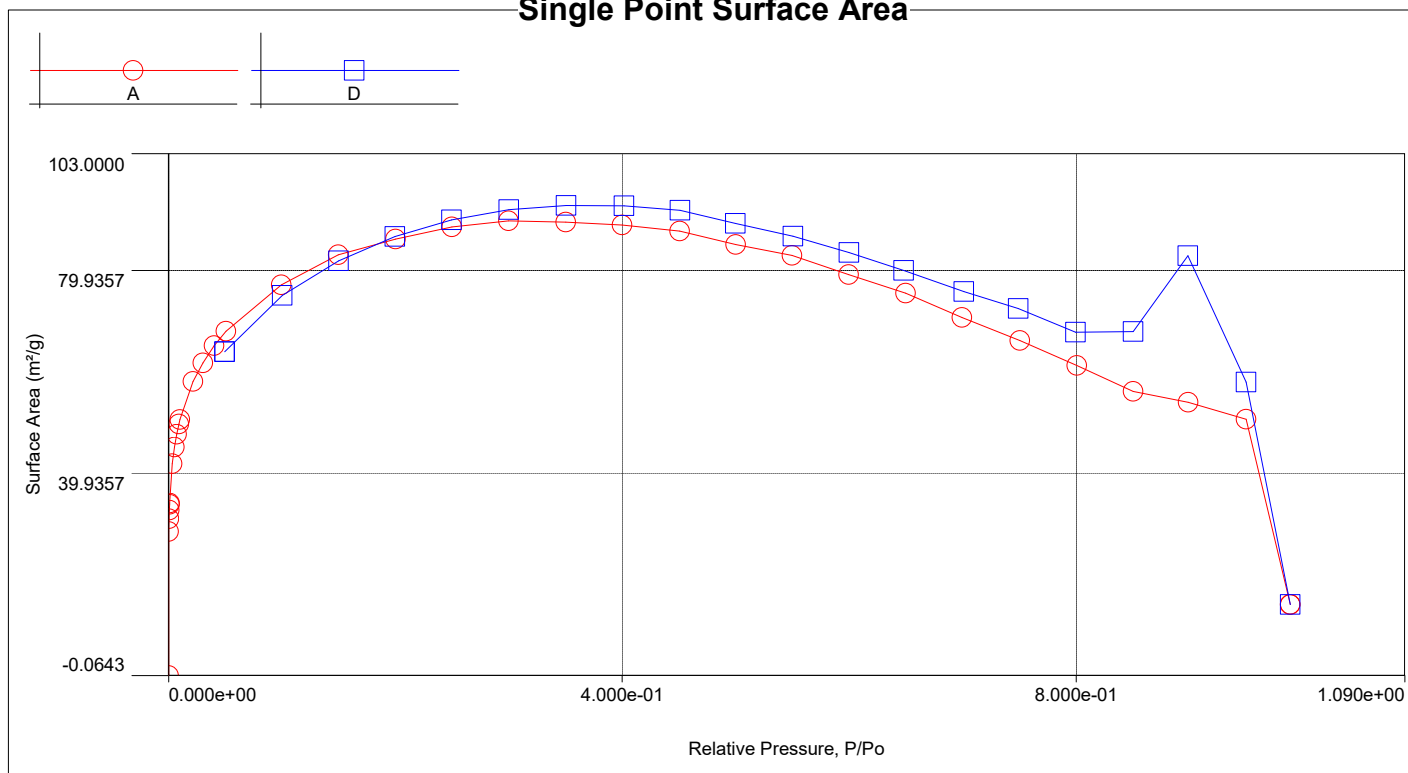
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Single Point Surface Area



Single Point Surface Area

Relative Pressure [P/Po]	Volume @ STP [cc/g]	1 / [W((P/Po) - 1)]	Slope	Surf. Area [m²/g]
1.45390e-04	-0.0134	-8.6694e+00	-59628.3939	-0.0584
3.10663e-04	6.5142	3.8170e-02	122.8648	28.3447
5.33061e-04	7.1089	6.0029e-02	112.6120	30.9253
7.50430e-04	7.4975	8.0145e-02	106.7983	32.6088
9.45909e-04	7.7601	9.7623e-02	103.2055	33.7440
1.01540e-03	7.8210	1.0399e-01	102.4085	34.0066
3.27432e-03	9.6216	2.7319e-01	83.4325	41.7411
5.13098e-03	10.4082	3.9648e-01	77.2710	45.0695
7.09326e-03	11.0154	5.1891e-01	73.1553	47.6051
9.05871e-03	11.5026	6.3588e-01	70.1959	49.6121
1.00255e-02	11.7120	6.9184e-01	69.0080	50.4661
2.17681e-02	13.6341	1.3059e+00	59.9914	58.0511
3.02777e-02	14.6208	1.7087e+00	56.4336	61.7109
4.03792e-02	15.5842	2.1604e+00	53.5023	65.0919
5.07413e-02	16.4487	2.6002e+00	51.2437	67.9609
9.94869e-02	19.6806	4.4915e+00	45.1469	77.1386
1.49590e-01	22.4426	6.2713e+00	41.9233	83.0699
2.00312e-01	24.7620	8.0939e+00	40.4064	86.1885
2.49911e-01	27.1352	9.8242e+00	39.3107	88.5908
2.99672e-01	29.4424	1.1629e+01	38.8044	89.7466
3.50229e-01	31.6579	1.3623e+01	38.8969	89.5333
3.99739e-01	34.0431	1.5652e+01	39.1550	88.9430
4.50587e-01	36.6844	1.7888e+01	39.6987	87.7249
4.99890e-01	39.0876	2.0461e+01	40.9310	85.0839
5.49624e-01	42.3052	2.3081e+01	41.9940	82.9301
5.99441e-01	45.3993	2.6375e+01	43.9988	79.1514

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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]
6.49856e-01	49.5225	2.9986e+01	46.1432	75.4730
6.99476e-01	54.0166	3.4476e+01	49.2889	70.6562
7.50373e-01	60.8421	3.9531e+01	52.6818	66.1056
8.00708e-01	70.5567	4.5562e+01	56.9021	61.2027
8.50522e-01	86.1956	5.2818e+01	62.1004	56.0796
8.98871e-01	122.5162	5.8047e+01	64.5782	53.9279
9.49722e-01	230.8677	6.5465e+01	68.9308	50.5227
9.88785e-01	285.0328	2.4749e+02	250.2924	13.9140
9.49769e-01	264.8786	5.7115e+01	60.1359	57.9116
8.98584e-01	187.7185	3.7766e+01	42.0284	82.8622
8.50325e-01	104.2339	4.3610e+01	51.2858	67.9050
7.99568e-01	77.6471	4.1107e+01	51.4119	67.7385
7.48950e-01	66.2599	3.6025e+01	48.1000	72.4026
7.01177e-01	58.2550	3.2228e+01	45.9631	75.7688
6.48104e-01	52.2144	2.8223e+01	43.5464	79.9737
6.00017e-01	47.9640	2.5024e+01	41.7061	83.5025
5.50421e-01	44.3062	2.2110e+01	40.1685	86.6989
4.99666e-01	40.9759	1.9501e+01	39.0272	89.2343
4.50846e-01	38.4218	1.7097e+01	37.9214	91.8364
4.01545e-01	35.5920	1.5084e+01	37.5641	92.7101
3.50570e-01	32.8375	1.3153e+01	37.5193	92.8208
3.00053e-01	30.1843	1.1363e+01	37.8713	91.9579
2.49715e-01	27.5389	9.6700e+00	38.7243	89.9324
1.99770e-01	24.8850	8.0266e+00	40.1794	86.6754
1.49959e-01	22.1308	6.3781e+00	42.5323	81.8805
1.00431e-01	19.1588	4.6625e+00	46.4251	75.0147
4.96988e-02	15.4486	2.7086e+00	54.5013	63.8988