Quantachrome® ASiQwin™- Automated Gas Sorption Data Acquisition and Reduction © 1994-2021, Quantachrome Instruments version 5.23



<u>Analysis</u> <u>Report</u>

 Operator:
 Demo
 Date:2025/07/05
 Operator:
 Anton Parr
 Date:2025/07/06

Sample ID: HA-ALXlinked2hrsNOWASH07042025Filename: SARM2012_st2_2025_07_05_17_54_42.qps

Sample Desc: Comment: Sample Weight: 0.1669 g Instrument

: 0.1669 g Instrument: Autosorb iQ Station 2 5 Time:10.1 hrs Final Outgas Temp.: 80 °C

Approx. Outgas Time:10.1 hrsFinal Outgas Temp.:80 °CExtended info:AvailableAnalysis gas:NitrogenNon-ideality:6.58e-05 1/TorrCellType:9mm

Analysis Time: 20:19 hr:min Bath temp.: 77.35 K

Analysis Mode: Standard VoidVol Remeasure: off
VoidVol. Mode: He Measure Cold Zone V: 1.61516 cc Warm Zone V: 16.8925 cc

-Data Reduction Parameters-

Thermal Transpiration: on Eff. mol. diameter (D): 3.54 Å Eff. cell stem diam. (d): 4.0000 mm

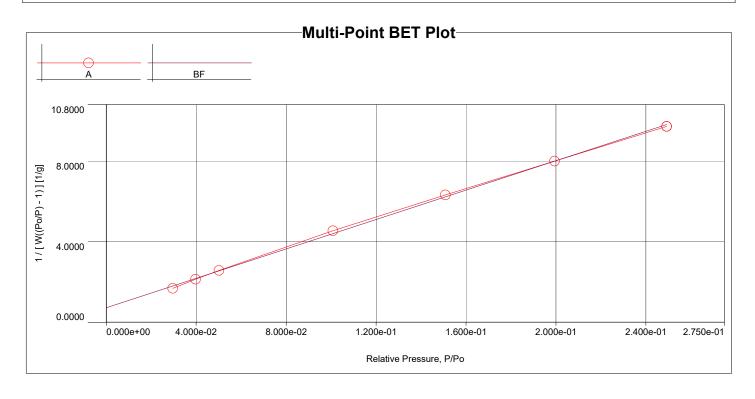
Adsorbate model Nitrogen Temperature 77.350K

Molec. Wt.: 28.013 **Cross Section:** 16.200 A² **Liquid Density:** 0.808 g/cc

MBET summary

| Slope = 36.477 1/g | Intercept = 7.205e-01 1/g | Correlation coefficient, r = 0.999519 | C constant = 51.627

Surface Area = $93.624 \text{ m}^2/\text{g}$



	Multi-Point BET				
Relative Pressure	Volume @ STP	1 / [W((Po/P) - 1)]	Relative Pressure	Volume @ STP	1 / [W((Po/P) - 1)]
[P/Po]	[cc/g]	[1/g]	[P/Po]	[cc/g]	[1/g]
2.95689e-02 3.97890e-02	14.5366 15.5435	1.6771e+00 2.1331e+00	1.50815e-01 1.99394e-01	22.4948 24.9222	6.3171e+00 7.9958e+00
5.01777e-02 1.00808e-01	16.4274 19.7612	2.5731e+00 4.5393e+00	2.49287e-01	27.3533	9.7134e+00

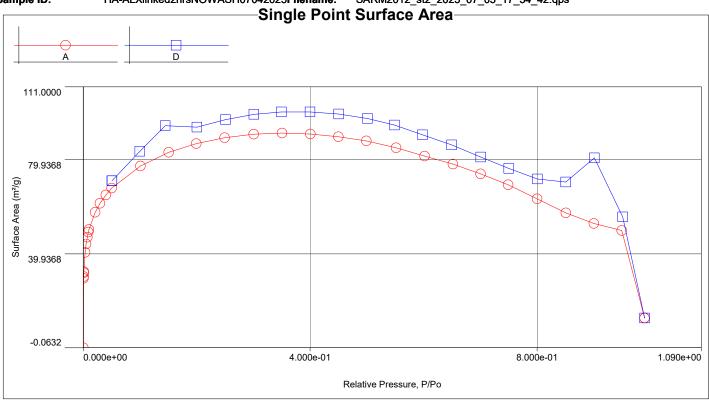
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Single Point Surface Area							
Relative Pressure	Volume @ STP	1 / [W((P/Po) - 1)]	Slope	Surf. Area			
[P/Po]	[cc/g]			[m²/g]			
1.45389e-04	-0.0132	-8.8205e+00	-60668.2252	-0.0574			
6.22588e-04	6.7802	7.3517e-02	118.0827	29.4926			
7.10649e-04	6.9579	8.1779e-02	115.0770	30.2629			
9.29564e-04	7.3281	1.0159e-01	109.2866	31.8664			
1.00917e-03	7.4456	1.0856e-01	107.5705	32.3747			
3.24920e-03	9.3370	2.7934e-01	85.9733	40.5075			
5.08940e-03	10.1864	4.0181e-01	78.9500	44.1110			
7.11158e-03	10.8799	5.2674e-01	74.0684	47.0183			
9.02839e-03	11.4055	6.3913e-01	70.7912	49.1949			
1.00773e-02	11.6594	6.9859e-01	69.3230	50.2368			
2.11418e-02	13.5218	1.2780e+00	60.4506	57.6101			
2.95689e-02	14.5366	1.6771e+00	56.7189	61.4005			
3.97890e-02	15.5435	2.1331e+00	53.6093	64.9620			
5.01777e-02	16.4274	2.5731e+00	51.2795	67.9134			
1.00808e-01	19.7612	4.5393e+00	45.0288	77.3409			
1.50815e-01	22.4948	6.3171e+00	41.8862	83.1435			
1.99394e-01	24.9222	7.9958e+00	40.1006	86.8456			
2.49287e-01	27.3533	9.7134e+00	38.9648	89.3772			
3.00500e-01	29.8515	1.1515e+01	38.3179	90.8860			
3.50466e-01	32.3017	1.3365e+01	38.1355	91.3209			
4.00370e-01	34.8455	1.5332e+01	38.2936	90.9438			
4.49912e-01	37.5012	1.7450e+01	38.7864	89.7884			
4.99280e-01	40.3873	1.9754e+01	39.5655	88.0203			
5.51560e-01	43.5770	2.2583e+01	40.9444	85.0559			
6.01714e-01	47.0361	2.5699e+01	42.7101	81.5397			
6.51819e-01	51.5352	2.9065e+01 —Continued on next page——	44.5911	78.1001			

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Single Point Surface Area continued						
Relative Pressure	Volume @ STP	1 / [W((P/Po) - 1)]	Slope	Surf. Area		
[P/Po]	[cc/g]			[m²/g]		
7.00595e-01	56.7435	3.2995e+01	47.0958	73.9465		
7.49157e-01	63.4936	3.7636e+01	50.2372	69.3225		
8.00276e-01	72.8898	4.3984e+01	54.9616	63.3637		
8.50962e-01	88.4181	5.1669e+01	60.7181	57.3563		
9.00372e-01	121.8115	5.9362e+01	65.9303	52.8219		
9.49189e-01	225.3996	6.6313e+01	69.8632	49.8483		
9.89725e-01	280.5767	2.7468e+02	277.5357	12.5482		
9.51026e-01	260.9580	5.9540e+01	62.6065	55.6263		
9.01077e-01	187.6224	3.8845e+01	43.1098	80.7837		
8.50548e-01	108.3248	4.2036e+01	49.4227	70.4649		
8.00660e-01	82.7092	3.8856e+01	48.5298	71.7614		
7.50151e-01	70.1521	3.4244e+01	45.6498	76.2888		
7.00721e-01	62.2747	3.0082e+01	42.9307	81.1206		
6.49627e-01	56.5769	2.6221e+01	40.3633	86.2804		
5.98063e-01	51.7856	2.2990e+01	38.4406	90.5960		
5.48815e-01	48.2641	2.0165e+01	36.7432	94.7812		
5.01059e-01	44.9047	1.7894e+01	35.7121	97.5178		
4.50403e-01	41.5783	1.5771e+01	35.0143	99.4612		
3.99952e-01	38.4293	1.3878e+01	34.6983	100.3670		
3.49416e-01	35.4319	1.2128e+01	34.7103	100.3322		
3.00941e-01	32.6394	1.0553e+01	35.0672	99.3113		
2.50988e-01	29.7774	9.0039e+00	35.8740	97.0776		
2.00405e-01	26.9696	7.4357e+00	37.1033	93.8613		
1.44620e-01	25.3709	5.3320e+00	36.8690	94.4578		
9.99186e-02	21.3294	4.1643e+00	41.6769	83.5611		
5.06963e-02	17.1982	2.4845e+00	49.0080	71.0612		