

Sample Id and MAL #: Zeolite Micropore sample
 Submitter Id: Example Sample File
 Operator: AWT/TK
 File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Summary Report

Surface Area

Single point surface area at P/Po = 0.048878268: 643.1933 m²/g

BET Surface Area: 646.3049 m²/g

Langmuir Surface Area: 714.2159 m²/g

t-Plot Micropore Area: 615.9375 m²/g

t-Plot External Surface Area: 30.3674 m²/g

Pore Volume

t-Plot micropore volume: 0.237962 cm³/g

Pore Size

BJH Adsorption average pore diameter (4V/A): 80.189 Å

DFT Pore Size

Total Volume in Pores	<=	544.17 Å	:	0.28462 cm ³ /g
Area in Pores	>	544.17 Å	:	0.000 m ² /g
Total Area in Pores	>=	3.93 Å	:	777.798 m ² /g

Horvath-Kawazoe

Maximum pore volume at P/Po = 0.300822914: 0.251503 cm³/g

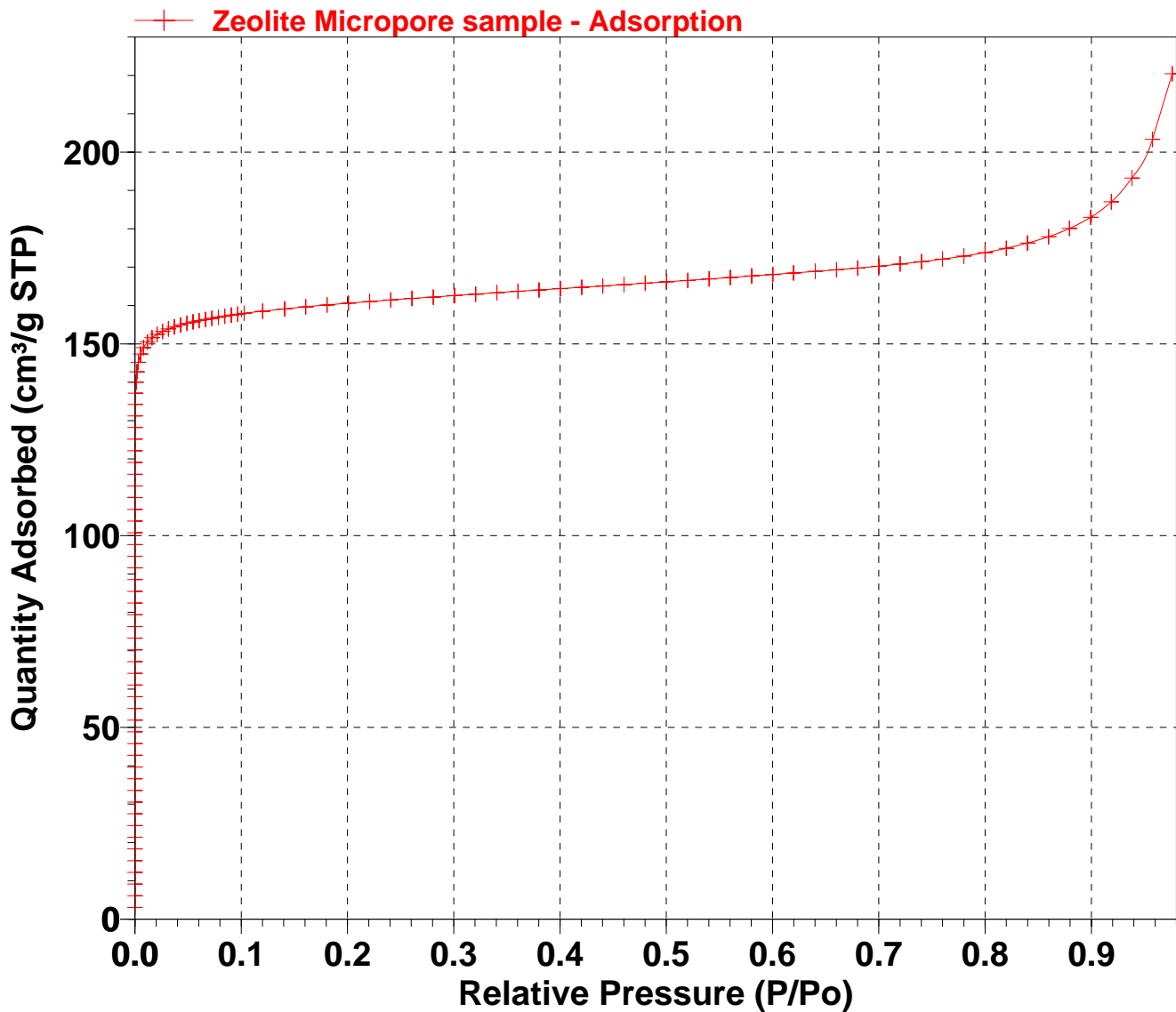
Median pore width: 4.657 Å

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Isotherm Linear Plot

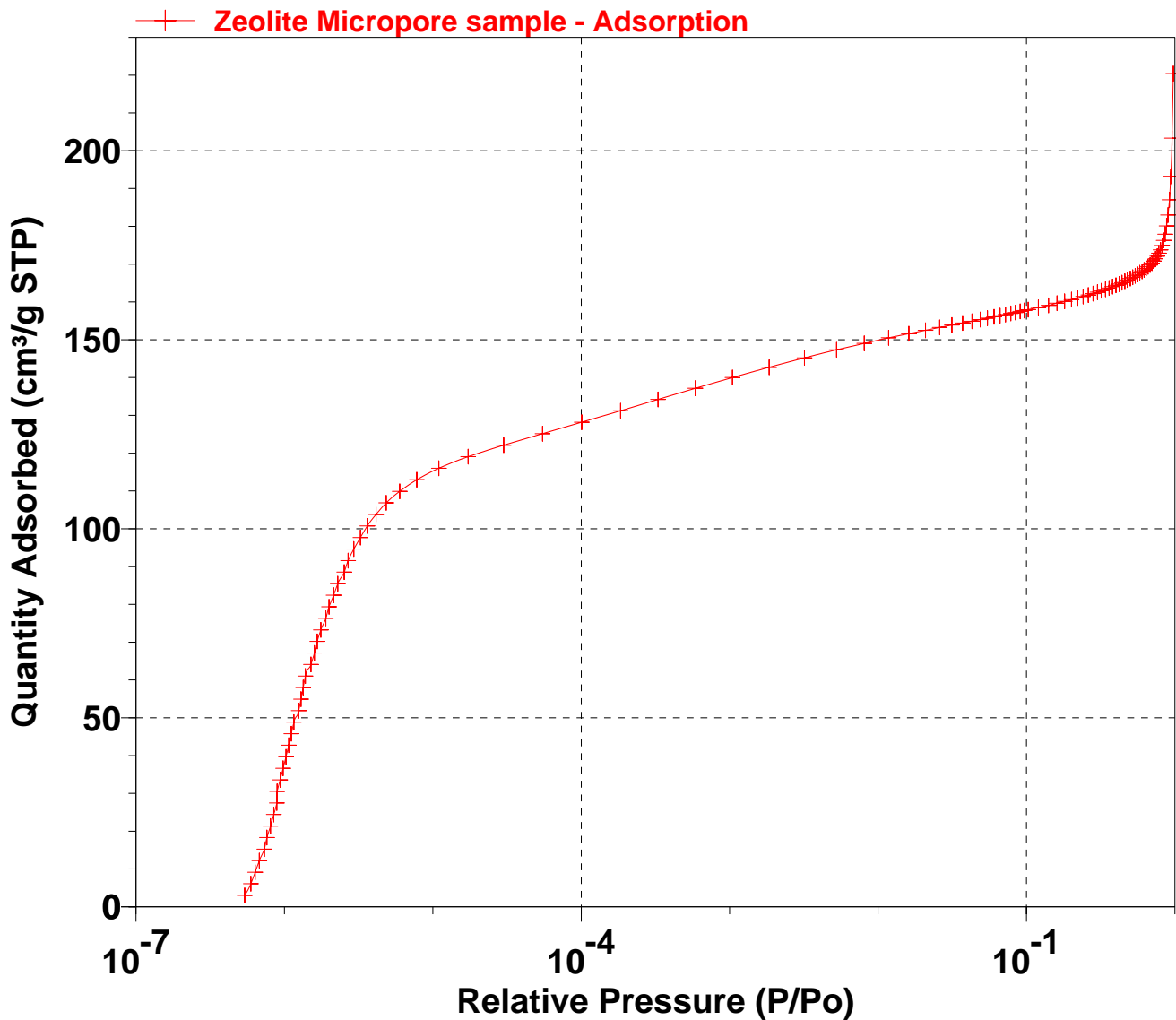


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Isotherm Log Plot



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BET Surface Area Report

BET Surface Area: 646.3049 ± 1.2858 m²/g
 Slope: 0.006735 ± 0.000013 g/cm³ STP
 Y-Intercept: 0.000000 ± 0.000000 g/cm³ STP
 C: 144829.138863
 Qm: 148.4667 cm³/g STP
 Correlation Coefficient: 0.9999782
 Molecular Cross-Sectional Area: 0.1620 nm²

Relative Pressure (P/Po)	Quantity Adsorbed (cm ³ /g STP)	1/[Q(Po/P - 1)]
0.001044347	140.0009	0.000007
0.001848268	142.7257	0.000013
0.003194953	145.2082	0.000022
0.005259214	147.3446	0.000036
0.008068979	149.0307	0.000055
0.011780373	150.5099	0.000079
0.016121683	151.6066	0.000108
0.020882530	152.5072	0.000140
0.025992800	153.2577	0.000174
0.031452407	153.8994	0.000211
0.037121716	154.4179	0.000250
0.042930341	154.9071	0.000290
0.048878268	155.3449	0.000331

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Horvath-Kawazoe Report

Slit Pore Geometry (Original H-K)

Maximum Pore Volume: 0.251503 cm³/g
 at Relative Pressure: 0.300822914
 Median Pore Width: 4.657 Å
 Relative Pressure Range: 5.401e-07 to 3.008e-01

Diameter of Adsorptive Molecule: 3.000 Å
 Diameter of Adsorptive at Zero Interaction Energy: 2.574 Å
 Diameter of Sample Atom: 3.040 Å
 Diameter of Sample Atom at Zero Interaction Energy: 2.917 Å
 Interaction Parameter: 3.49e-43 erg·cm⁴

Density Conversion Factor: 0.0015468

Absolute Pressure (mmHg)	Relative Pressure (P/Po)	Quantity Adsorbed (cm ³ /g STP)	Pore Width (Å)	Cumulative Pore Volume (cm ³ /g)	Differential Pore Volume (cm ³ /g·Å)
0.00040	0.000000540	3.0523	4.333	0.0047	0.0011
0.00044	0.000000594	6.1047	4.355	0.0094	0.2193
0.00047	0.000000636	9.1572	4.370	0.0142	0.3026
0.00050	0.000000678	12.2095	4.385	0.0189	0.3186
0.00054	0.000000733	15.2622	4.403	0.0236	0.2628
0.00057	0.000000763	18.3148	4.413	0.0283	0.4880
0.00060	0.000000806	21.3677	4.425	0.0331	0.3727
0.00063	0.000000849	24.4202	4.437	0.0378	0.3953
0.00066	0.000000888	27.4726	4.448	0.0425	0.4478
0.00066	0.000000893	30.5257	4.449	0.0472	3.1535
0.00069	0.000000936	33.5783	4.461	0.0519	0.4203
0.00073	0.000000980	36.6310	4.471	0.0567	0.4465
0.00076	0.000001024	39.6837	4.482	0.0614	0.4490
0.00079	0.000001069	42.7367	4.492	0.0661	0.4485
0.00082	0.000001113	45.7897	4.502	0.0708	0.4823
0.00086	0.000001158	48.8427	4.511	0.0755	0.5175
0.00092	0.000001248	51.8953	4.529	0.0803	0.2605
0.00096	0.000001294	54.9482	4.538	0.0850	0.5199
0.00099	0.000001340	58.0014	4.547	0.0897	0.5665
0.00103	0.000001386	61.0543	4.555	0.0944	0.5659
0.00112	0.000001510	64.1073	4.576	0.0992	0.2278
0.00118	0.000001594	67.1601	4.589	0.1039	0.3445
0.00123	0.000001665	70.2131	4.600	0.1086	0.4421
0.00130	0.000001759	73.2663	4.614	0.1133	0.3434
0.00141	0.000001902	76.3191	4.633	0.1181	0.2439
0.00148	0.000001998	79.3724	4.646	0.1228	0.3776
0.00159	0.000002144	82.4258	4.664	0.1275	0.2649
0.00169	0.000002291	85.4788	4.681	0.1322	0.2774

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Absolute Pressure (mmHg)	Relative Pressure (P/Po)	Quantity Adsorbed (cm ³ /g STP)	Pore Width (Å)	Cumulative Pore Volume (cm ³ /g)	Differential Pore Volume (cm ³ /g·Å)
0.00187	0.00002528	88.5322	4.706	0.1369	0.1854
0.00199	0.00002689	91.5854	4.722	0.1417	0.2903
0.00217	0.00002937	94.6389	4.746	0.1464	0.2028
0.00240	0.00003251	97.6919	4.772	0.1511	0.1774
0.00267	0.00003617	100.7452	4.801	0.1558	0.1634
0.00306	0.00004145	103.7988	4.838	0.1606	0.1282
0.00359	0.00004861	106.8524	4.882	0.1653	0.1071
0.00442	0.00005987	109.9061	4.941	0.1700	0.0795
0.00576	0.00007802	112.9594	5.018	0.1747	0.0616
0.00812	0.00010997	116.0124	5.122	0.1794	0.0454
0.01277	0.00017287	119.0652	5.268	0.1842	0.0325
0.02219	0.00030042	122.1154	5.458	0.1889	0.0248
0.04051	0.00054845	125.1609	5.686	0.1936	0.0207
0.07446	0.00100819	128.1983	5.941	0.1983	0.0184
0.13602	0.00184190	131.2205	6.225	0.2030	0.0165
0.24297	0.00329034	134.2152	6.533	0.2076	0.0151
0.43363	0.00587262	137.1569	6.883	0.2122	0.0130
0.77111	0.01044347	140.0009	7.284	0.2166	0.0110
1.36461	0.01848268	142.7257	7.747	0.2208	0.0091
2.35876	0.003194953	145.2082	8.273	0.2246	0.0073
3.88261	0.005259214	147.3446	8.838	0.2279	0.0058
5.95726	0.008068979	149.0307	9.413	0.2305	0.0045
8.69816	0.011780373	150.5099	10.009	0.2328	0.0038
11.90449	0.016121683	151.6066	10.583	0.2345	0.0030
15.42111	0.020882530	152.5072	11.122	0.2359	0.0026
19.19630	0.025992800	153.2577	11.638	0.2371	0.0023
23.23007	0.031452407	153.8994	12.137	0.2381	0.0020
27.41899	0.037121716	154.4179	12.616	0.2389	0.0017
31.71133	0.042930341	154.9071	13.078	0.2396	0.0016
36.10711	0.048878268	155.3449	13.528	0.2403	0.0015
40.34774	0.054615119	155.7341	13.942	0.2409	0.0015
44.64008	0.060421929	156.0654	14.348	0.2414	0.0013
49.03586	0.066370985	156.3738	14.748	0.2419	0.0012
53.43164	0.072320392	156.6767	15.139	0.2423	0.0012
57.98255	0.078479673	156.9563	15.539	0.2428	0.0011
62.43005	0.084498959	157.2162	15.929	0.2432	0.0010
66.98096	0.090658106	157.4976	16.309	0.2436	0.0011
71.42846	0.096677207	157.7227	16.690	0.2440	0.0009
75.87596	0.102696251	157.9720	17.061	0.2444	0.0010
88.75298	0.120124311	158.5218	18.106	0.2452	0.0008
104.06062	0.140842001	159.1095	19.354	0.2461	0.0007
118.74768	0.160719551	159.6796	20.541	0.2470	0.0007
133.64160	0.180876880	160.1584	21.767	0.2477	0.0006

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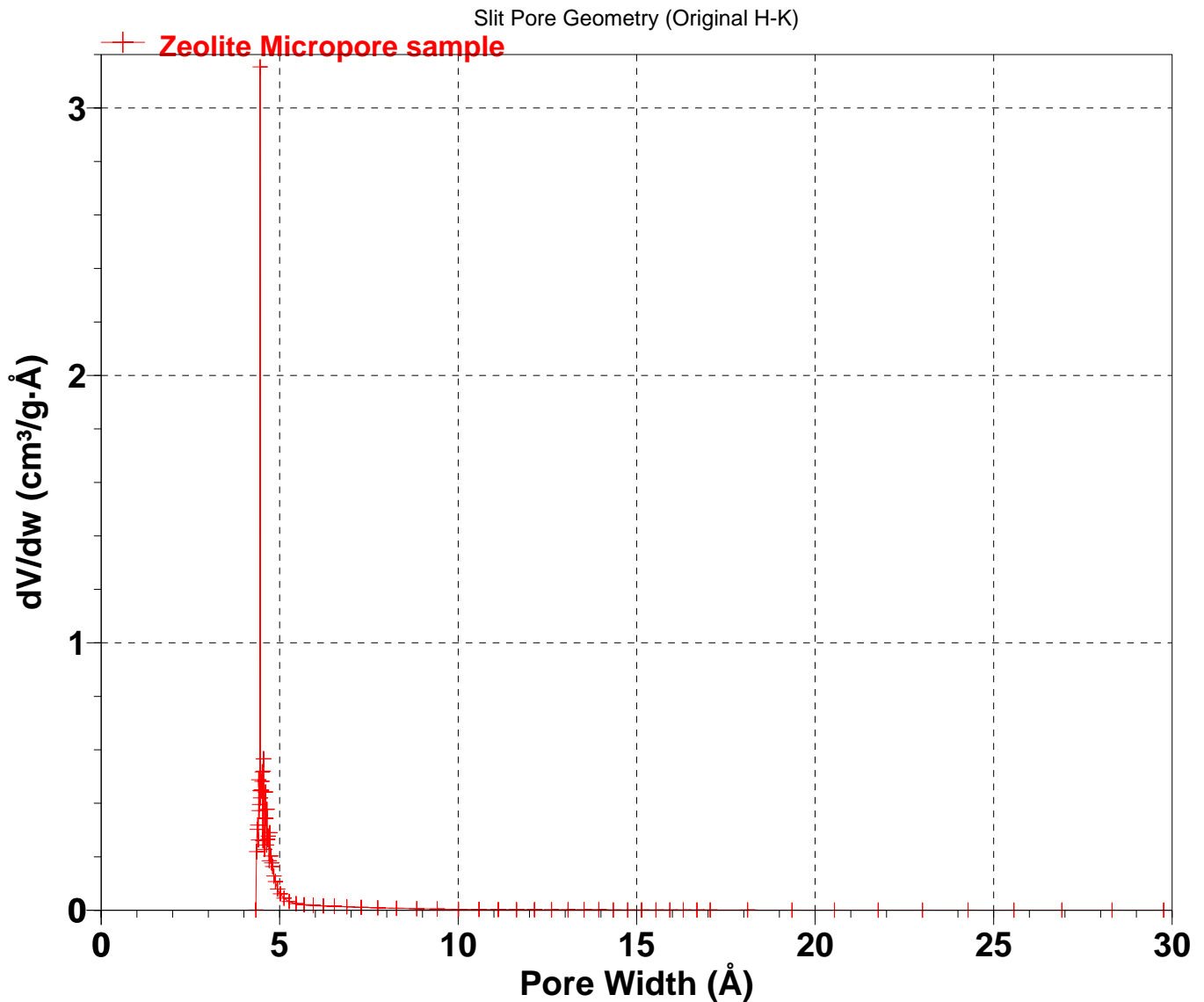
Absolute Pressure (mmHg)	Relative Pressure (P/Po)	Quantity Adsorbed (cm ³ /g STP)	Pore Width (Å)	Cumulative Pore Volume (cm ³ /g)	Differential Pore Volume (cm ³ /g·Å)
148.43727	0.200900917	160.6148	23.007	0.2484	0.0006
163.17088	0.220840862	161.0292	24.283	0.2491	0.0005
177.86827	0.240728547	161.4468	25.568	0.2497	0.0005
192.60704	0.260672128	161.8488	26.912	0.2503	0.0005
207.47510	0.280789590	162.2000	28.320	0.2509	0.0004
222.28111	0.300822914	162.5960	29.762	0.2515	0.0004

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Horvath-Kawazoe Differential Pore Volume Plot



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Porosity Distribution by Original Density Functional Theory
 Model: N2 @ 77K on Carbon, Slit Pores
 Method: Non-negative Regularization; No Smoothing

Total Volume in Pores	<=	544.17 Å	:	0.28462 cm ³ /g
Area in Pores	>	544.17 Å	:	0.000 m ² /g
Total Area in Pores	>=	3.93 Å	:	777.798 m ² /g

Pore Size Table

Pore Width (Å)	Cumulative Volume (cm ³ /g)	Incremental Volume (cm ³ /g)	Cumulative Area (m ² /g)	Incremental Area (m ² /g)
3.93	0.05843	0.05843	297.249	297.249
4.29	0.05843	0.00000	297.249	0.000
4.65	0.05843	0.00000	297.249	0.000
5.00	0.05843	0.00000	297.249	0.000
5.36	0.05843	0.00000	297.249	0.000
5.90	0.19743	0.13899	768.619	471.370
6.43	0.19743	0.00000	768.619	0.000
6.79	0.19743	0.00000	768.619	0.000
7.33	0.19743	0.00000	768.619	0.000
8.04	0.19743	0.00000	768.619	0.000
8.58	0.19743	0.00000	768.619	0.000
9.29	0.19743	0.00000	768.619	0.000
10.01	0.19743	0.00000	768.619	0.000
10.90	0.19743	0.00000	768.619	0.000
11.79	0.19743	0.00000	768.619	0.000
12.69	0.19743	0.00000	768.619	0.000
13.58	0.19743	0.00000	768.619	0.000
14.83	0.19743	0.00000	768.619	0.000
15.91	0.19743	0.00000	768.619	0.000
17.16	0.19743	0.00000	768.619	0.000
18.59	0.19743	0.00000	768.619	0.000
20.02	0.19743	0.00000	768.619	0.000
21.62	0.19743	0.00000	768.619	0.000
23.41	0.19743	0.00000	768.619	0.000
25.20	0.19743	0.00000	768.619	0.000
27.34	0.19743	0.00000	768.619	0.000
29.49	0.19743	0.00000	768.619	0.000
31.81	0.19743	0.00000	768.619	0.000
34.31	0.19743	0.00000	768.619	0.000
36.99	0.19743	0.00000	768.619	0.000
40.03	0.19743	0.00000	768.619	0.000
43.25	0.19743	0.00000	768.619	0.000
46.64	0.19743	0.00000	768.619	0.000
50.40	0.19787	0.00044	768.796	0.176
54.33	0.19906	0.00119	769.233	0.437

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58.80	0.19961	0.00056	769.422	0.189
63.44	0.20076	0.00115	769.783	0.361
68.45	0.20162	0.00086	770.033	0.250
73.99	0.20259	0.00098	770.298	0.264
79.88	0.20372	0.00113	770.580	0.282
86.32	0.20538	0.00166	770.964	0.384
93.11	0.20701	0.00163	771.314	0.350
100.61	0.20863	0.00162	771.635	0.322
108.66	0.21034	0.00171	771.951	0.316
117.23	0.21220	0.00186	772.268	0.317
126.53	0.21424	0.00204	772.591	0.323
136.71	0.21652	0.00228	772.924	0.334
147.61	0.21898	0.00246	773.258	0.333
159.41	0.22160	0.00262	773.587	0.329
172.10	0.22446	0.00286	773.919	0.332
185.86	0.22759	0.00313	774.256	0.337
200.69	0.23084	0.00325	774.580	0.324
216.60	0.23459	0.00374	774.925	0.346
233.93	0.23845	0.00386	775.256	0.330
252.52	0.24206	0.00361	775.542	0.286
272.71	0.24566	0.00359	775.805	0.263
294.51	0.24869	0.00303	776.011	0.206
317.92	0.25245	0.00376	776.248	0.237
343.30	0.25830	0.00585	776.588	0.341
370.64	0.26425	0.00595	776.910	0.321
400.31	0.26966	0.00541	777.180	0.270
432.30	0.27336	0.00371	777.351	0.171
466.79	0.27684	0.00347	777.500	0.149
503.96	0.28106	0.00423	777.668	0.168
544.17	0.28462	0.00355	777.798	0.131

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Porosity Distribution by Original Density Functional Theory
 Model: N2 @ 77K on Carbon, Slit Pores
 Method: Non-negative Regularization; No Smoothing
 Standard Deviation of Fit: 2.82008, cm³/g STP

Isotherm Table				
Relative Pressure	Experimental Quantity Adsorbed (cm ³ /g STP)	Fitted Quantity Adsorbed (cm ³ /g STP)	Absolute Residual (cm ³ /g STP)	Relative Residual
0.000000765	18.4759	42.6872	-24.2113	-1.310430
0.000001482	63.4499	55.1263	8.3235	0.131183
0.000002783	92.8678	84.9188	7.9490	0.085595
0.000005075	107.5443	97.3514	10.1930	0.094779
0.000008995	114.3038	105.3023	9.0015	0.078751
0.000015520	118.4303	111.2833	7.1469	0.060347
0.000026102	121.3922	116.1145	5.2777	0.043476
0.000042841	123.8966	120.1856	3.7110	0.029952
0.000068697	126.2225	123.7262	2.4963	0.019777
0.000107744	128.4930	126.8940	1.5989	0.012444
0.000165451	130.6959	129.7811	0.9148	0.007000
0.000249000	132.7453	132.3884	0.3569	0.002688
0.000367617	134.7387	134.7155	0.0232	0.000173
0.000532902	136.6927	136.7992	-0.1065	-0.000779
0.000759152	138.3952	138.6793	-0.2840	-0.002052
0.001063641	140.0788	140.3870	-0.3082	-0.002200
0.001466847	141.6217	141.9470	-0.3253	-0.002297
0.001992604	143.0400	143.3782	-0.3382	-0.002364
0.002668156	144.4034	144.6966	-0.2932	-0.002031
0.003524104	145.6055	145.9151	-0.3096	-0.002126
0.004594232	146.7885	147.0447	-0.2561	-0.001745
0.005915212	147.7894	148.0946	-0.3052	-0.002065
0.007526182	148.7656	149.0730	-0.3074	-0.002067
0.009468212	149.6523	149.9870	-0.3347	-0.002237
0.011783670	150.5109	150.8429	-0.3320	-0.002206
0.014515520	151.2453	151.6465	-0.4011	-0.002652
0.017706521	151.9267	152.4026	-0.4760	-0.003133
0.021398440	152.5894	153.1163	-0.5269	-0.003453
0.025631230	153.2106	153.7919	-0.5813	-0.003794
0.030442240	153.7964	154.4336	-0.6372	-0.004143
0.035865448	154.3080	155.0456	-0.7376	-0.004780
0.041930798	154.8272	155.6320	-0.8048	-0.005198
0.048663601	155.3297	156.1969	-0.8672	-0.005583
0.056084011	155.8235	156.7441	-0.9206	-0.005908
0.064206667	156.2622	157.2769	-1.0148	-0.006494
0.073040441	156.7117	157.7973	-1.0856	-0.006927

Sample Id and MAL #: Zeolite Micropore sample
 Submitter Id: Example Sample File
 Operator: AWT/TK
 File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Isotherm Table				
Relative Pressure	Experimental Quantity Adsorbed (cm ³ /g STP)	Fitted Quantity Adsorbed (cm ³ /g STP)	Absolute Residual (cm ³ /g STP)	Relative Residual
0.082588248	157.1335	158.3044	-1.1709	-0.007452
0.092847057	157.5831	158.7949	-1.2118	-0.007690
0.103808001	158.0115	159.2642	-1.2526	-0.007928
0.115456402	158.3863	159.7092	-1.3229	-0.008353
0.127772301	158.7388	160.1290	-1.3902	-0.008758
0.140730694	159.1063	160.5246	-1.4183	-0.008914
0.154301897	159.4989	160.8977	-1.3988	-0.008770
0.168452203	159.8754	161.2504	-1.3749	-0.008600
0.183144197	160.2110	161.5849	-1.3739	-0.008576
0.198337302	160.5597	161.9031	-1.3434	-0.008367
0.213988706	160.8869	162.2069	-1.3200	-0.008204
0.230053306	161.2226	162.4982	-1.2756	-0.007912
0.246484801	161.5659	162.7785	-1.2126	-0.007505
0.263235897	161.8970	163.0496	-1.1526	-0.007119
0.280259013	162.1901	163.3129	-1.1228	-0.006923
0.297506303	162.5327	163.5700	-1.0373	-0.006382
0.314930797	162.8522	163.8224	-0.9702	-0.005958
0.332486212	163.1835	164.0714	-0.8879	-0.005441
0.350127310	163.5141	164.3182	-0.8041	-0.004918
0.367810607	163.8317	164.5634	-0.7317	-0.004466
0.385494202	164.1454	164.8069	-0.6616	-0.004030
0.403138310	164.4588	165.0479	-0.5891	-0.003582
0.420704991	164.7633	165.2845	-0.5212	-0.003164
0.438158900	165.0606	165.5149	-0.4543	-0.002752
0.455466807	165.3734	165.7377	-0.3643	-0.002203
0.472598106	165.6865	165.9519	-0.2655	-0.001602
0.489524394	165.9950	166.1576	-0.1626	-0.000980
0.506219923	166.2948	166.3552	-0.0604	-0.000363
0.522661209	166.5840	166.5454	0.0385	0.000231
0.538827300	166.8901	166.7294	0.1607	0.000963
0.554699600	167.2011	166.9081	0.2929	0.001752
0.570261598	167.5111	167.0827	0.4284	0.002557
0.585499227	167.8115	167.4275	0.3840	0.002288
0.600400090	168.0927	167.5957	0.4970	0.002956
0.614954293	168.3864	168.2379	0.1485	0.000882
0.629153311	168.6723	168.4014	0.2709	0.001606
0.642990828	168.9509	168.5655	0.3854	0.002281
0.656461716	169.2311	168.9570	0.2741	0.001620
0.669562697	169.5201	169.1211	0.3989	0.002353
0.682291925	169.8159	169.7628	0.0531	0.000313
0.694648683	170.1096	169.9225	0.1871	0.001100

Sample Id and MAL #: Zeolite Micropore sample
 Submitter Id: Example Sample File
 Operator: AWT/TK
 File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Isotherm Table				
Relative Pressure	Experimental Quantity Adsorbed (cm ³ /g STP)	Fitted Quantity Adsorbed (cm ³ /g STP)	Absolute Residual (cm ³ /g STP)	Relative Residual
0.706633508	170.4306	170.0801	0.3506	0.002057
0.718248010	170.7687	170.5952	0.1735	0.001016
0.729494929	171.0984	170.7425	0.3559	0.002080
0.740377605	171.4268	171.3075	0.1194	0.000696
0.750900388	171.7805	171.4435	0.3370	0.001962
0.761068285	172.1508	172.0730	0.0778	0.000452
0.770887017	172.5261	172.1995	0.3266	0.001893
0.780362606	172.9059	173.0709	-0.1650	-0.000954
0.789501607	173.3000	173.1899	0.1101	0.000635
0.798311174	173.7141	173.3082	0.4059	0.002337
0.806798697	174.1516	174.1706	-0.0190	-0.000109
0.814971626	174.6211	174.2861	0.3351	0.001919
0.822837889	175.1022	175.1568	-0.0547	-0.000312
0.830405474	175.6033	175.2712	0.3321	0.001891
0.837682605	176.1157	176.1992	-0.0835	-0.000474
0.844677329	176.6385	176.3114	0.3271	0.001852
0.851397991	177.1932	177.3163	-0.1231	-0.000695
0.857852995	177.7637	177.4226	0.3411	0.001919
0.864050388	178.3536	178.5253	-0.1718	-0.000963
0.869998574	178.9919	178.6228	0.3691	0.002062
0.875705481	179.6510	179.8493	-0.1982	-0.001103
0.881179392	180.3107	179.9380	0.3727	0.002067
0.886428118	181.0138	181.2638	-0.2500	-0.001381
0.891459525	181.7521	181.3456	0.4065	0.002237
0.896281302	182.5003	182.7646	-0.2643	-0.001448
0.900900900	183.2459	182.8418	0.4041	0.002205
0.905325770	184.0605	184.3965	-0.3360	-0.001826
0.909563184	184.9334	184.4711	0.4624	0.002500
0.913620114	185.8306	186.1850	-0.3544	-0.001907
0.917503417	186.7250	186.2571	0.4679	0.002506
0.921219707	187.6316	188.0501	-0.4185	-0.002230
0.924775481	188.6385	188.1181	0.5204	0.002758
0.928177178	189.7115	190.1859	-0.4744	-0.002501
0.931430817	190.8143	190.2470	0.5673	0.002973
0.934542298	191.9181	192.3909	-0.4727	-0.002463
0.937517405	193.0002	192.4442	0.5560	0.002881
0.940361619	194.0317	194.4653	-0.4337	-0.002235
0.943080306	195.0221	194.5127	0.5093	0.002612
0.945678592	196.0411	196.5359	-0.4948	-0.002524
0.948161721	197.1425	196.5790	0.5634	0.002858
0.950534225	198.3648	198.3037	0.0610	0.000308

Sample Id and MAL #: Zeolite Micropore sample
 Submitter Id: Example Sample File
 Operator: AWT/TK
 File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

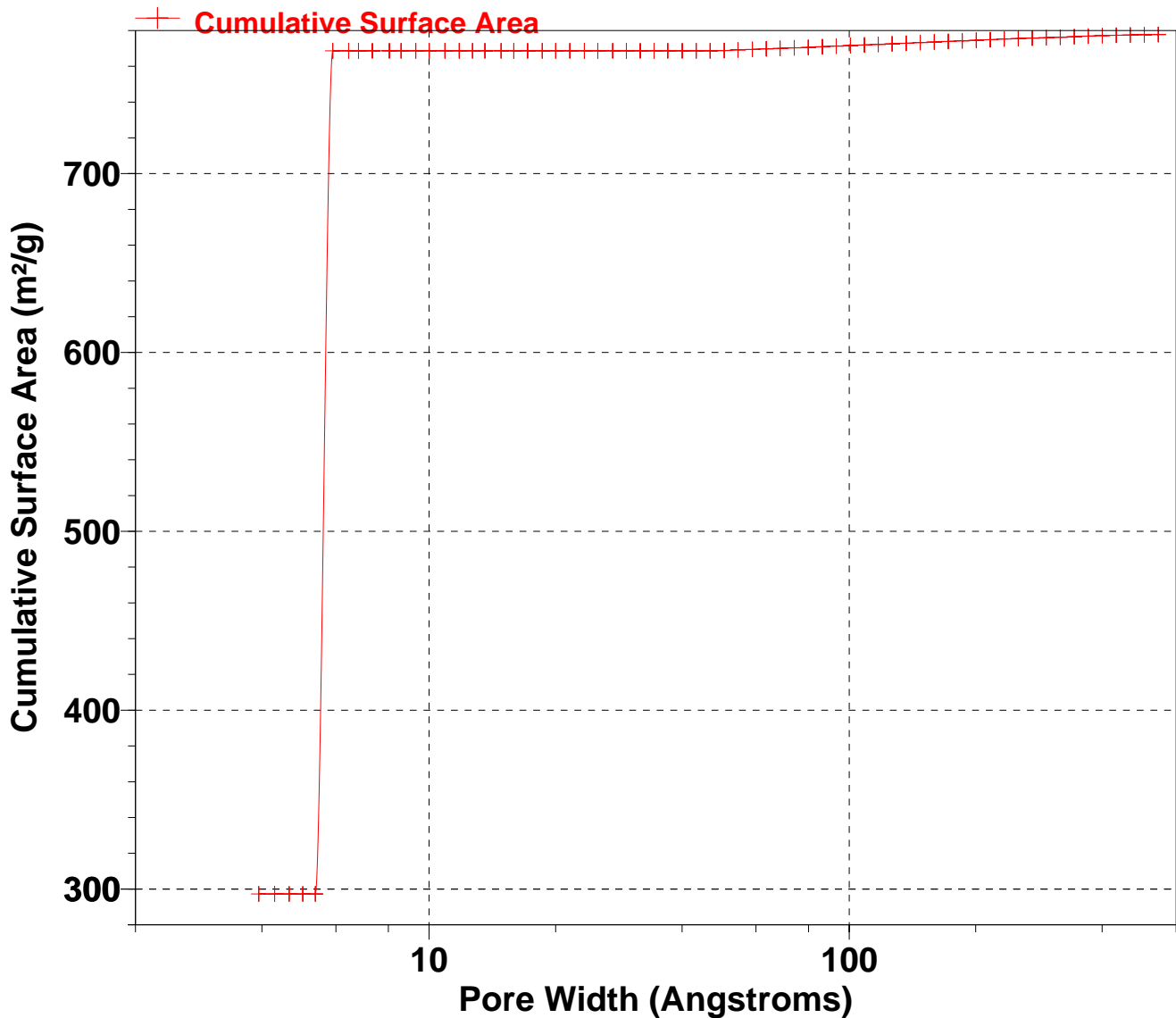
Isotherm Table				
Relative Pressure	Experimental Quantity Adsorbed (cm ³ /g STP)	Fitted Quantity Adsorbed (cm ³ /g STP)	Absolute Residual (cm ³ /g STP)	Relative Residual
0.952800930	199.7344	200.4537	-0.7193	-0.003601
0.954966187	201.2677	200.4916	0.7761	0.003856
0.957034409	202.9729	203.8295	-0.8566	-0.004220
0.959009588	204.7709	203.8625	0.9084	0.004436
0.960896015	206.4932	207.2785	-0.7853	-0.003803
0.962697208	208.1377	207.3052	0.8325	0.004000
0.964416981	209.7078	210.4256	-0.7177	-0.003423
0.966058910	211.2069	210.4465	0.7605	0.003601
0.967626274	212.6379	212.6000	0.0380	0.000179
0.969122529	214.0040	214.6311	-0.6271	-0.002930
0.970550597	215.3078	214.6455	0.6624	0.003076
0.971913695	216.5523	217.1245	-0.5722	-0.002642
0.973214507	217.7400	217.1356	0.6044	0.002776
0.974455774	218.8733	219.2304	-0.3571	-0.001632
0.975640416	219.9548	219.2385	0.7164	0.003257

Sample Id and MAL #: Zeolite Micropore sample
Submitter Id: Example Sample File
Operator: AWT/TK
File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Cumulative Surface Area vs. Pore Width

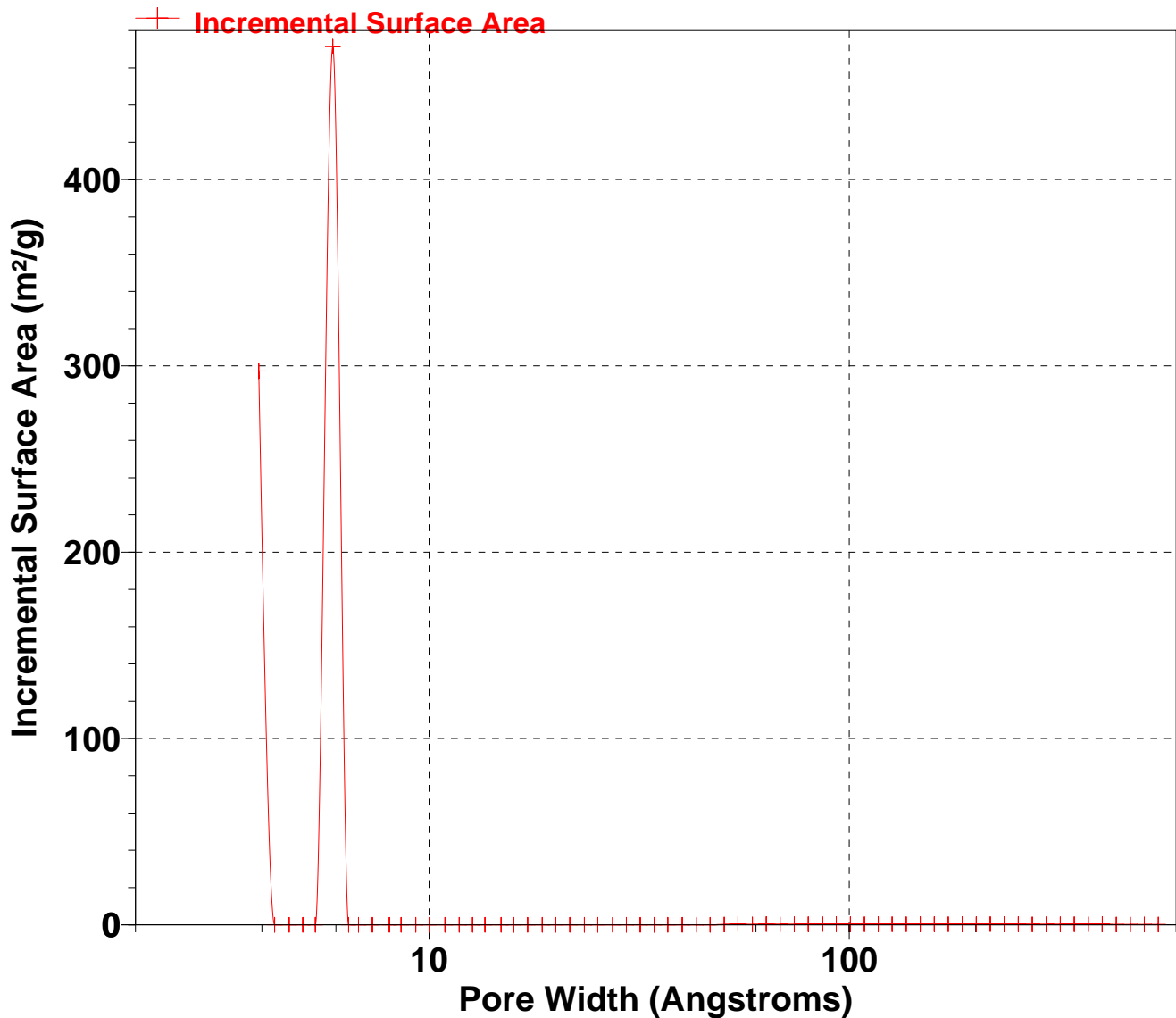


Sample Id and MAL #: Zeolite Micropore sample
Submitter Id: Example Sample File
Operator: AWT/TK
File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Incremental Surface Area vs. Pore Width

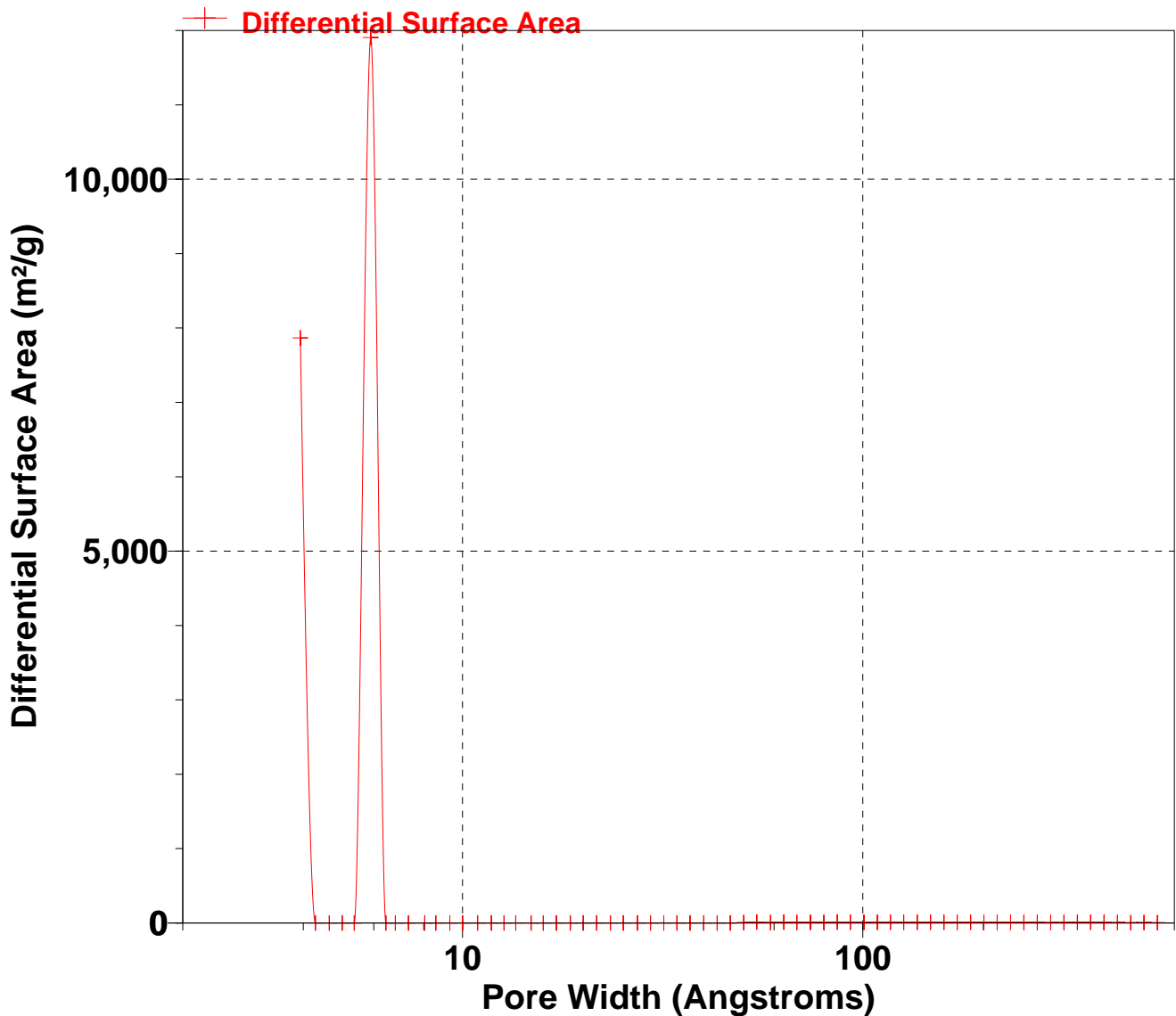


Sample Id and MAL #: Zeolite Micropore sample
Submitter Id: Example Sample File
Operator: AWT/TK
File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Differential Surface Area vs. Pore Width



Sample Id and MAL #: Zeolite Micropore sample
Submitter Id: Example Sample File
Operator: AWT/TK
File: C:\DEMO2020\DATA\13X_N2.SMP

Started: 9/28/1994 8:43:33AM	Analysis Adsorptive: N2
Completed: 9/30/1994 8:02:56AM	Analysis Bath Temp.: 77.118 K
Report Time: 3/31/2006 3:32:52PM	Thermal Correction: Yes
Sample Mass: 0.1926 g	Warm Free Space: 28.5489 cm ³ Entered
Cold Free Space: 89.2905 cm ³	Equilibration Interval: 45 s
Low Pressure Dose: 3.000 cm ³ /g STP	Automatic Degas: No

Comments: Nitrogen isotherm on zeolite reference material. This is an example of a micropore analysis.

Goodness of Fit

