

Quantachrome Porometer 3G Summary Report

Maximum Pore Size: 0.0570 μm Mean Pore Size (MFP): 0.0000 μm Minimum Pore Size: 0.0455 μm Bubble Point Pressure: 11.2329 bar Bubble Point Flow Rate:139.4366 l/m

Bubble Point Auto Mode:Auto Tolerance: 1.000

Pore Density:2.886E+13 /cm²
Porosity (Open Area Data):49218.588 %



Quantachrome Porometer 3G Data Report

Maximum Pore Size: 0.0570 μm Mean Pore Size (MFP): 0.0000 μm Minimum Pore Size: 0.0455 μm Bubble Point Pressure: 11.2329 bar Bubble Point Flow Rate:139.4366 l/m

Bubble Point Auto Mode:Auto Tolerance: 1.000

Pore Density:2.886E+13 /cm²
Porosity (Open Area Data):49218.588 %

Poin	t Wet.Targ.Pr.	Wet Flow	Dry Flow					Pore Open Area	Pore Open Area
#	bar	I/m	l/m	Cum %	Diff %	Cum (/cm²)	Diff (/cm²)	Cum (/cm²)	Diff (/cm²)
0	9.14286	126 8421	143.6080	88 2839	0.0000	0	0	0	0
1	9.16965		143.5942		0.0000	Ö	0	0	0
2	9.19644		143.5864		0.0000	0	Ō	0	0
3	9.22323		143.5814		0.0000	6.151E+07	6.151E+07	0.002326	0.002326
4	9.25002	126.3810	143.5798	88.2839	0.0000		1.348E+08		0.005067
5	9.27681	126.3704	143.6272	88.2839	0.0000	4.014E+08	2.051E+08	0.01506	0.007668
6	9.30360	126.4082	143.7049	88.2839	0.0000	6.731E+08	2.718E+08	0.02516	0.0101
7	9.33039	126.4766	143.8120	88.2839	0.0000	1.007E+09	3.339E+08	0.0375	0.01234
8	9.35718	126.5685	143.9423	88.2839	0.0000	1.398E+09	3.909E+08	0.05186	0.01436
9	9.38397		144.0878		0.0000		4.426E+08		0.01617
10	9.41076		144.2478		0.0000		4.897E+08		0.01779
11	9.43755		144.4252		0.0000		5.351E+08		0.01933
12	9.46434		144.6114		0.0000		5.83E+08		0.02094
13	9.49113		144.7944		0.0000		5.831E+08		0.02083
14	9.51792		144.9758		0.0000		5.796E+08		0.02058
15	9.54471		145.1709		0.0000		5.675E+08		0.02004
16	9.57150		145.3800		0.0000	5.72E+09			0.01902
17	9.59829		145.5958		0.0000		4.976E+08		0.01738
18	9.62508		145.8180		0.0000		4.34E+08		0.01507
19	9.65187		146.0507		0.0000		3.525E+08		0.01217
20	9.67866		146.2948		0.0000		2.592E+08		0.008901
21	9.70545		146.5445		0.0000		1.648E+08		0.00563
22	9.73224		146.7967		0.0000		8.337E+07		0.002832
23	9.75903		147.0542		0.0000	7.54E+09			0.000949
24 25	9.78582 9.81261		147.3145 147.5757		0.0000 0.0000	7.544E+09 7.544E+09	4.068E+06	0.2696	0.0001367 0
26	9.83940		147.8367		0.0000	7.544E+09		0.2696	0
27	9.86619		148.0985		0.0000	7.544E+09		0.2696	0
28	9.89298		148.3649		0.0000	7.544E+09		0.2696	0
29	9.91977		148.6363		0.0000	7.544E+09		0.2696	0
30	9.94656		148.9111		0.0000	7.544E+09		0.2696	0
31	9.97335		149.1875		0.0000	7.544E+09		0.2696	0
32	10.00010		149.4668		0.0000	7.544E+09		0.2696	Ö
33	10.02690		149.7499		0.0000	7.544E+09		0.2696	0
34	10.05370		150.0377		0.0000	7.544E+09		0.2696	0
35	10.08050		150.3327		0.0000	7.544E+09		0.2696	0
36	10.10730		150.6322		0.0000	7.544E+09		0.2696	0
37	10.13410	132.1697	150.9273	88.2839	0.0000	7.544E+09	0	0.2696	0
38	10.16090	132.4042	151.2154	88.2839	0.0000	7.544E+09	0	0.2696	0
39	10.18770	132.6330	151.4981	88.2839	0.0000	7.544E+09	0	0.2696	0
40	10.21450	132.8528	151.7758	88.2839	0.0000	7.544E+09	0	0.2696	0
41	10.24130		152.0478		0.0000	7.544E+09		0.2696	0
42	10.26810		152.3176		0.0000	7.544E+09	0	0.2696	0
43	10.29490		152.5914		0.0000	7.544E+09		0.2696	0
44	10.32170		152.8713		0.0000	7.544E+09		0.2696	0
45	10.34850		153.1510		0.0000	7.544E+09		0.2696	0
46	10.37530	134.0737	153.4249	88.2839	0.0000	7.544E+09	0	0.2696	0



47	10.40210	134 2722	153.6916	88 2839	0.0000	7.544E+09	0	0.2696	0
48	10.42890		153.9474		0.0000	7.544E+09		0.2696	0
			154.1918						
49	10.45570				0.0000	7.544E+09		0.2696	0
50	10.48250		154.4300		0.0000	7.544E+09		0.2696	0
51	10.50930	135.0353	154.6657	88.2839	0.0000	7.544E+09	0	0.2696	0
52	10.53610	135.2152	154.8987	88.2839	0.0000	7.544E+09	0	0.2696	0
53	10.56290	135 3893	155.1299	88 2839	0.0000	7.544E+09	0	0.2696	0
54	10.58970		155.3620		0.0000	7.544E+09		0.2696	0
	10.61650		155.5984			7.544E+09		0.2696	0
55					0.0000				
56	10.64330		155.8360		0.0000	7.544E+09		0.2696	0
57	10.67010		156.0689		0.0000	7.544E+09	0	0.2696	0
58	10.69690	136.2204	156.2943	88.2839	0.0000	7.544E+09	0	0.2696	0
59	10.72370	136.3959	156.5128	88.2839	0.0000	7.544E+09	0	0.2696	0
60	10.75050	136 5743	156.7262	88 2839	0.0000	7.544E+09	0	0.2696	0
61	10.77730		156.9351		0.0000	7.544E+09		0.2696	0
			157.1395			7.544E+09			
62	10.80410				0.0000			0.2696	0
63	10.83090		157.3404		0.0000	7.544E+09		0.2696	0
64	10.85770	137.2581	157.5424	88.2839	0.0000	7.544E+09	0	0.2696	0
65	10.88450	137.4187	157.7483	88.2839	0.0000	7.544E+09	0	0.2696	0
66	10.91130	137.5776	157.9555	88.2839	0.0000	7.544E+09	0	0.2696	0
67	10.93810	137.7373	158.1576	88.2839	0.0000	7.544E+09	0	0.2696	0
68	10.96490		158.3522		0.0000	7.544E+09		0.2696	0
						7.544E+09			
69	10.99170		158.5417		0.0000			0.2696	0
70	11.01850		158.7300		0.0000	7.544E+09		0.2696	0
71	11.04530		158.9190		0.0000	7.544E+09	0	0.2696	0
72	11.07210	138.5151	159.1100	88.2839	0.0000	7.544E+09	0	0.2696	0
73	11.09890	138.6632	159.3057	88.2839	0.0000	7.544E+09	0	0.2696	0
74	11.12570	138 8108	159.5069	88 2839	0.0000	7.544E+09	0	0.2696	0
75	11.15250		159.7078		0.0000	7.544E+09		0.2696	0
76	11.17930		159.9007		0.0000	7.544E+09		0.2696	0
77	11.20610		160.0869		0.0000	7.544E+09		0.2696	0
78	11.23290	139.4366	160.2707	88.2839	0.0000	7.544E+09	0	0.2696	0
79	11.25970	139.5898	160.4541	88.2839	0.0000	7.544E+09	0	0.2696	0
80	11.28650	139.7385	160.6363	88.2839	0.0000	7.544E+09	0	0.2696	0
81	11.31330		160.8189		0.0000	7.544E+09		0.2696	0
82	11.34010		161.0059		0.0000	7.544E+09		0.2696	0
83	11.36690		161.1985		0.0000	7.544E+09		0.2696	0
84	11.39370		161.3910		0.0000	7.544E+09		0.2696	0
85	11.42050	140.4305	161.5809	88.2839	0.0000	7.544E+09	0	0.2696	0
86	11.44730	140.5717	161.7714	88.2839	0.0000	7.544E+09	0	0.2696	0
87	11.47410	140.7159	161.9643	88.2839	0.0000	7.544E+09	0	0.2696	0
88	11.50090	140 8573	162.1580	88 2839	0.0000	7.544E+09	0	0.2696	0
89	11.52770		162.3499		0.0000	7.544E+09		0.2696	0
90	11.55450		162.5384		0.0000	7.544E+09		0.2696	0
91	11.58130		162.7257		0.0000	7.544E+09		0.2696	0
92	11.60810		162.9130		0.0000	7.544E+09		0.2696	0
93	11.63490	141.5358	163.1054	88.2839	0.0000	7.544E+09	0	0.2696	0
94	11.66170	141.6777	163.3060	88.2839	0.0000	7.544E+09	0	0.2696	0
95	11.68850	141.8272	163.5119	88.2839	0.0000	7.564E+09	2.056E+07		0.0004841
96	11.71530		163.7164		0.0000		1.665E+08		0.003902
	11.74210		163.9198		0.0000	8.349E+09			0.003302
97									
98	11.76890		164.1221		0.0000	9.891E+09			0.03581
99	11.79570		164.3276		0.0000		2.982E+09		0.06895
100	11.82250	142.5799	164.5384	88.2839	0.0000	1.773E+10	4.853E+09	0.5049	0.1117
101	11.84930	142.7164	164.7627	88.2839	0.0000	2.473E+10	7.003E+09	0.6653	0.1605
102	11.87610	142.8486	165.0080	88.2839	0.0000		9.264E+09		0.2113
103	11.90290		165.2620		0.0000	4.548E+10			0.2607
103	11.92970		165.4969		0.0000		1.355E+10		0.3063
105	11.95650		165.6990		0.0000	7.447E+10			0.3474
106	11.98330		165.8680		0.0000		1.715E+10		0.3842
107	12.01010		166.0048		0.0000		1.871E+10		0.4173
108	12.03690	143.6965	166.1146	88.2839	0.0000	1.305E+11	2.013E+10	3.039	0.4469
109	12.06370	143.8467	166.2152	88.2839	0.0000	1.519E+11	2.14E+10	3.513	0.4731



110	12.09050	143.9944 166.3316 88.2839	0.0000	1.744E+11 2.253E+10 4.008	0.4958
111	12.11730	144.1445 166.4700 88.2839	0.0000	1.978E+11 2.343E+10 4.522	0.5135
112	12.14410	144.3038 166.6201 88.2839	0.0000	2.218E+11 2.399E+10 5.045	0.5232
113	12.17090	144.4670 166.7776 88.2839	0.0000	2.458E+11 2.402E+10 5.567	0.5217
114	12.19770	144.6279 166.9401 88.2839	0.0000	2.693E+11 2.344E+10 6.074	0.5068
115	12.22450	144.7887 167.1019 88.2839	0.0000	2.915E+11 2.224E+10 6.552	0.4788
116	12.25130	144.9534 167.2619 88.2839	0.0000	3.121E+11 2.057E+10 6.993	0.4408
117	12.27810	145.1178 167.4238 88.2839	0.0000	3.307E+11 1.864E+10 7.391	0.3978
118	12.30490	145.2787 167.5900 88.2839	0.0000	3.474E+11 1.672E+10 7.746	0.3552
119	12.33170	145.4420 167.7616 88.2839	0.0000	3.624E+11 1.494E+10 8.062	0.3161
120	12.35850	145.6183 167.9376 88.2839	0.0000	3.757E+11 1.333E+10 8.343	0.2808
121	12.38530	145.8073 168.1183 88.2839	0.0000	3.876E+11 1.184E+10 8.591	0.2483
122	12.41210	145.9897 168.2959 88.2839	0.0000	3.98E+11 1.042E+10 8.809	0.2175
123	12.43890	146.1483 168.4678 88.2839	0.0000		0.1875
124	12.46570	146.2830 168.6360 88.2839	0.0000	4.146E+11 7.631E+09 9.154	0.158
125	12.49250	146.3963 168.8017 88.2839	0.0000	4.209E+11 6.251E+09 9.283	0.1288
126	12.51930	146.4891 168.9652 88.2839	0.0000	4.258E+11 4.907E+09 9.384	0.1007
127	12.54610	146.5639 169.1289 88.2839	0.0000	4.294E+11 3.641E+09 9.458	0.07441
128	12.57290	146.6343 169.2945 88.2839	0.0000	4.319E+11 2.488E+09 9.509	0.05064
129	12.59970	146.7219 169.4643 88.2839	0.0000	4.334E+11 1.503E+09 9.54	0.03046
130	12.62650	146.8277 169.6362 88.2839	0.0000	4.342E+11 7.547E+08 9.555	0.01523
131	12.65330	146.9415 169.8072 88.2839	0.0000	4.345E+11 2.877E+08 9.561	0.005782
132	12.68010	147.0601 169.9706 88.2839	0.0000	4.345E+11 7.228E+07 9.562	0.001446
133	12.70690	147.1820 170.1284 88.2839	0.0000	4.345E+11 1.086E+07 9.562	0.0002163
134	12.73370	147.3086 170.2890 88.2839	0.0000	4.345E+11 3.398E+06 9.562	6.742E-05
135	12.76050	147.4406 170.4495 88.2839	0.0000	4.345E+11 3.44E+06 9.562	6.796E-05
136	12.78730	147.5750 170.6063 88.2839	0.0000	4.345E+11 3.446E+06 9.562	6.78E-05
137	12.81410	147.7120 170.7647 88.2839	0.0000	4.346E+11 9.966E+06 9.563	0.0001952
138		147.8478 170.9326 88.2839	0.0000	4.346E+11 6.215E+07 9.564	0.0001332
	12.84090				
139	12.86770	147.9808 171.1066 88.2839	0.0000	4.349E+11 2.503E+08 9.569	0.004864
140	12.89450	148.1098 171.2744 88.2839	0.0000	4.356E+11 7.147E+08 9.582	0.01383
141	12.92130	148.2346 171.4348 88.2839	0.0000	4.373E+11 1.679E+09 9.615	0.03235
142	12.94810	148.3563 171.5965 88.2839	0.0000	4.408E+11 3.502E+09 9.682	0.0672
143	12.97490	148.4747 171.7577 88.2839	0.0000	4.474E+11 6.67E+09 9.809	0.1274
144					
	13.00170	148.5933 171.9154 88.2839	0.0000	4.591E+11 1.171E+10 10.03	0.2229
145	13.02850	148.7156 172.0709 88.2839	0.0000	4.783E+11 1.916E+10 10.4	0.3631
146	13.05530	148.8418 172.2272 88.2839	0.0000	5.079E+11 2.958E+10 10.95	0.5583
147	13.08210	148.9710 172.3842 88.2839	0.0000	5.515E+11 4.365E+10 11.77	0.8205
148	13.10890	149.1017 172.5378 88.2839	0.0000	6.136E+11 6.207E+10 12.94	1.162
149	13.13570	149.2348 172.6838 88.2839	0.0000	6.991E+11 8.552E+10 14.53	1.594
150	13.16250	149.3696 172.8172 88.2839	0.0000	8.137E+11 1.146E+11 16.66	2.128
151	13.18930	149.4984 172.9312 88.2839	0.0000	9.635E+11 1.498E+11 19.43	2.769
152	13.21610	149.6202 173.0107 88.2839	0.0000	1.155E+12 1.911E+11 22.95	3.52
153	13.24290	149.7380 173.0358 88.2839	0.0000	1.393E+12 2.384E+11 27.32	4.372
154	13.26970	149.8544 173.0030 88.2839	0.0000	1.684E+12 2.906E+11 32.63	5.31
				2.03E+12 3.466E+11 38.94	
155	13.29650	149.9709 172.9219 88.2839	0.0003		6.307
156	13.32330	150.0881 172.7924 88.2839	0.0056	2.435E+12 4.049E+11 46.28	7.338
157	13.35010	150.2082 172.5889 88.2839	0.0265	2.899E+12 4.638E+11 54.65	8.372
158	13.37690	150.3314 172.2898 88.2839	0.0660	3.421E+12 5.219E+11 64.03	9.383
159	13.40370	150.4507 171.8938 88.2839	0.1194	3.999E+12 5.777E+11 74.37	10.34
160	13.43050	150.5633 171.4037 88.2839	0.1797	4.628E+12 6.297E+11 85.6	11.23
161	13.45730	150.6723 170.8135 88.3125	0.2421	5.305E+12 6.767E+11 97.63	12.02
162	13.48410	150.7820 170.1367 88.6972	0.3040	6.023E+12 7.177E+11 110.3	12.7
163	13.51090	150.8949 169.4122 89.1076	0.3598	6.775E+12 7.519E+11 123.6	13.25
164	13.53770	151.0129 168.6830 89.5361	0.4015	7.554E+12 7.79E+11 137.2	13.67
165	13.56450	151.1353 167.9677 89.9752	0.4231	8.353E+12 7.99E+11 151.2	13.97
166	13.59130	151.2594 167.2680 90.4173	0.4269	9.165E+12 8.125E+11 165.4	14.15
167	13.61810	151.3772 166.5782 90.8558	0.4230	9.986E+12 8.205E+11 179.6	14.23
168	13.64490	151.4870 165.8938 91.2861	0.4164	1.081E+13 8.244E+11 193.8	14.25
169	13.67170	151.5910 165.2269 91.7056	0.4085	1.164E+13 8.258E+11 208.1	14.21
170	13.69850	151.6935 164.6005 92.1133	0.4009	1.246E+13 8.261E+11 222.2	14.16
171	13.72530	151.7968 164.0215 92.5092	0.3949	1.329E+13 8.266E+11 236.3	14.12
172	13.75210	151.9043 163.4802 92.8954	0.3915	1.412E+13 8.284E+11 250.4	14.09



173	13.77890	152.0184	162.9657	93.2754	0.3913	1.495E+13	8.321E+11	264.5	14.1
174	13.80570	152.1372	162.4682	93.6546	0.3946	1.579E+13	8.381E+11	278.7	14.15
175	13.83250	152.2527	161.9667	94.0384	0.4011	1.663E+13	8.463E+11	292.9	14.23
176	13.85930	152.3625	161.4333	94.4316	0.4102	1.749E+13	8.569E+11	307.3	14.35
177	13.88610	152.4690	160.8556	94.8373	0.4208	1.836E+13			14.51
178	13.91290	152.5745	160.2433	95.2574	0.4319	1.924E+13	8.836E+11	336.5	14.69
179	13.93970		159.6099		0.4427	2.014E+13			14.81
180	13.96650		158.9636		0.4524	2.104E+13			14.8
181	13.99330		158.3103		0.4606	2.192E+13			14.61
182	14.02010		157.6537		0.4673	2.279E+13			14.2
183	14.04690		156.9967		0.4679	2.362E+13			13.58
184	14.07370	153.2228			0.4500	2.441E+13			12.77
185	14.10050		155.6871		0.4090	2.514E+13			11.82
186	14.12730	153.4293 153.5291			0.3507	2.581E+13			10.78
187	14.15410				0.2842	2.641E+13			9.667
188 189	14.18090 14.20770	153.6278		100.0000	0.2155	2.695E+13 2.741E+13			8.529 7.38
190	14.23450			100.0000		2.741E+13 2.78E+13			6.231
191	14.26130			100.0000		2.70E+13 2.812E+13			5.095
192	14.28810			100.0000		2.838E+13			3.998
193	14.31490			100.0000		2.857E+13			2.974
194	14.34170			100.0000		2.87E+13			2.061
195	14.36850			100.0000		2.878E+13			1.297
196	14.39530			100.0000		2.883E+13			0.7118
197	14.42210			100.0000		2.885E+13			0.3166
198	14.44890			100.0000		2.885E+13			0.09804
199	14.47570			100.0000		2.886E+13			0.01365
200	14.50250	154.8612	146.1886	100.0000	0.0000	2.886E+13	0	492.2	0
201	14.52930	154.9578	145.5857	100.0000	0.0000	2.886E+13	0	492.2	0
202	14.55610	155.0570	144.9860	100.0000	0.0000	2.886E+13	0	492.2	0
203	14.58290	155.1614	144.3887	100.0000	0.0000	2.886E+13	0	492.2	0
204	14.60970	155.2675	143.7929	100.0000	0.0000	2.886E+13	0	492.2	0
205	14.63650			100.0000		2.886E+13		492.2	0
206	14.66330			100.0000		2.886E+13		492.2	0
207	14.69010			100.0000		2.886E+13		492.2	0
208	14.71690			100.0000		2.886E+13		492.2	0
209	14.74370			100.0000		2.886E+13		492.2	0
210	14.77050			100.0000		2.886E+13		492.2	0
211	14.79730			100.0000		2.886E+13		492.2	0
212	14.82410			100.0000		2.886E+13		492.2	0
213 214	14.85090 14.87770			100.0000		2.886E+13 2.886E+13		492.2 492.2	0
215	14.90450			100.0000		2.886E+13		492.2	0
216	14.93130			100.0000		2.886E+13		492.2	0
217	14.95810			100.0000		2.886E+13		492.2	0
218	14.98490			100.0000		2.886E+13		492.2	0
219	15.01170			100.0000		2.886E+13		492.2	0
220	15.03850			100.0000		2.886E+13		492.2	0
221	15.06530			100.0000		2.886E+13		492.2	0
222	15.09210			100.0000		2.886E+13		492.2	0
223	15.11890			100.0000		2.886E+13		492.2	0
224	15.14570	157.0477	132.8073	100.0000	0.0000	2.886E+13	0	492.2	0
225	15.17250	157.1136	132.3039	100.0000	0.0000	2.886E+13	0	492.2	0
226	15.19930	157.1732	131.7917	100.0000	0.0000	2.886E+13	0	492.2	0
227	15.22610	157.2276	131.2698	100.0000	0.0000	2.886E+13		492.2	0
228	15.25290			100.0000		2.886E+13		492.2	0
229	15.27970			100.0000		2.886E+13		492.2	0
230	15.30650			100.0000		2.886E+13		492.2	0
231	15.33330			100.0000		2.886E+13		492.2	0
232	15.36010			100.0000		2.886E+13		492.2	0
233	15.38690			100.0000		2.886E+13		492.2	0
234	15.41370			100.0000		2.886E+13		492.2	0
235	15.44050	157.9001	127.0683	100.0000	0.0000	2.886E+13	U	492.2	0



236	15.46730	158.0227 126.5527 100	.0000 0.0000	2.886E+13 0	492.2	0
237	15.49410	158.1356 126.0380 100	.0000 0.0000	2.886E+13 0	492.2	0
238	15.52090	158.2232 125.5255 100	.0000 0.0000	2.886E+13 0	492.2	0
239	15.54770	158.2828 125.0164 100	.0000 0.0000	2.886E+13 0	492.2	0
240	15.57450	158.3163 124.5133 100	.0000 0.0000	2.886E+13 0	492.2	0
241	15.60130	158.3237 124.0167 100	.0000 0.0000	2.886E+13 0	492.2	0
242	15.62810	158.3057 123.5238 100	.0000 0.0000	2.886E+13 0	492.2	0
243	15.65490	158.2820 123.0252 100	.0000 0.0000	2.886E+13 0	492.2	0
244	15.68170	158.2697 122.5085 100	.0000 0.0000	2.886E+13 0	492.2	0
245	15.70850	158.2689 121.9708 100	.0000 0.0000	2.886E+13 0	492.2	0
246	15.73530	158.2706 121.4198 100	.0000 0.0000	2.886E+13 0	492.2	0
247	15.76210	158.2689 120.8643 100	.0000 0.0000	2.886E+13 0	492.2	0
248	15.78890	158.2661 120.3124 100	.0000 0.0000	2.886E+13 0	492.2	0
249	15.81570	158.2705 119.7743 100	.0000 0.0000	2.886E+13 0	492.2	0
250	15.84250	158.2809 119.2611 100	.0000 0.0000	2.886E+13 0	492.2	0
251	15.86930	158.2949 118.7728 100	.0000 0.0000	2.886E+13 0	492.2	0
252	15.89610	158.3115 118.3005 100	.0000 0.0000	2.886E+13 0	492.2	0
253	15.92290	158.3284 117.8286 100	.0000 0.0000	2.886E+13 0	492.2	0
254	15.94970	158.3454 117.3576 100	.0000 0.0000	2.886E+13 0	492.2	0
255	15.97650	158.3622 116.8873 100	.0000 0.0000	2.886E+13 0	492.2	0















