Number	ID	m_fVelocity	m_fStable	m_fBubbleSize	FeedPulpQuantity	PlantEfficiency	Fineness	CuPulpGrade	CuPulpQuantity
1	524				4046	507.5	67.5	0.87	35.2002
2	524				4040	521.29	65	0.89	35.956
3	524				4150	518.75	66	0.86	35.69
4	525				4160	520	66	0.95	39.52
5	525				4140	517.5	67	1.01	41.814
6	525				4290	536.25	65	0.97	41.613
7	526				4130	516.25	65	1.03	42.539
8	526				3780	540	66	0.98	37.044
9	526				4480	560	66	1.00	44.8
10	527				4350	543.75	66	1.06	46.11
11	527				4300	537.5	67	0.96	41.28
12	527				2240	413.54	67	0.91	20.384
13	528				4250	554.35	66	0.99	42.075
14	528				770	385	68	1.05	8.085
15	528				4000	500	65	1.01	40.4
16	529				4470	558.75	65	0.97	43.359
17	529				4670	583.75	65	1.02	47.634
18	529				4420	552.5	66	1.01	44.642
19	530				4470	558.75	67	1.02	45.594
20	530				4200	560	67	1.02	42.84
21	530				4340	542.5	68.5	0.96	41.664
22	531				3110	518.33	66.5	0.99	30.789
23	601				4560	497.45	65	0.96	43.776
24	602				4210	526.25	65	1.01	42.521
25	602				4280	535	66	1.04	44.512
26	602				4330	541.25	66	1.03	44.599
27	603				3980	497.5	66	1.07	42.586
28	603				3580	523.9	66	0.97	34.726
29	603				4260	532.5	65	1.01	43.026
30	604				4280	535	65	1.13	48.364
31	604				4370	546.25	66.5	1.02	44.574
32	604				4350	543.75	67	1.03	44.805
33	605				4450	556.25	65.5	1.05	46.725
34	605				4260	532.5	67	1.01	43.026

35	605	4590	573.75	67	0.99	45.441
36	606	4350	543.75	66	1.05	45.675
37	606	3540	544.62	66	1.04	36.816
38	606	3770	565.5	66	1.02	38.454
39	607	4450	556.25	67	1.18	52.51
40	607	4470	558.75	66	1.14	50.958
41	607	4210	526.28	68	1.05	44.205
42	608	3670	543.7	65	1.10	40.37
43	608	2670	445	67	1.00	26.7
44	608	4140	517.5	66	1.49	61.686
45	609	3940	492.5	66	0.88	34.672
46	609	4370	546.25	66	0.87	38.019
47	609	4380	547.5	68	0.86	37.668
48	610	4320	540	66	0.73	31.536
49	610	3990	509.36	65	0.86	34.314
50	610	4130	516.25	65	1.05	43.365
51	611	4350	543.75	67	1.33	57.855
52	611	4350	543.75	66	1.26	54.81
53	611	4360	545	66	1.20	52.32
54	612	4320	540	65	1.31	56.592
55	612	2070	506.94	66	1.12	23.184
56	613	3800	570	65	1.13	42.94
57	613	4350	543.75	67	1.04	45.24
58	613	4250	531.25	65	1.15	48.875
59	614	4430	553.75	65	1.04	46.072
60	614	2990	512.57	66	1.08	32.292
61	614	4110	513.75	66	1.03	42.333
62	615	3950	493.75	67	0.88	34.76
63	615	3960	522.2	67	1.02	40.392
64	615	4250	531.25	65	1.07	45.475
65	616	4360	545	66	1.01	44.036
66	616	4500	562.5	66.5	1.00	45
67	616	4460	557.5	65	0.98	43.708
68	617	4350	543.75	66	1.02	44.37
69	617	850	536.84	65	1.13	9.605

70	617		2260	542.4	66	1.09	24.634
71	618		4660	582.5	66	1.45	67.57
72	618		4640	551.29	67	0.90	41.76
73	619		4380	547.5	65	1.39	60.882
74	619		4640	580	66	1.16	53.824
75	619		4070	576.91	66	1.11	45.177

ConcentratesQuantity	CuConcentratesGrade	CuConcentratesQuantity	CuRecovery	TailingsQuantity	CuTailingsQuantity
165.74	18.14	30.0652	85.41	3880.26	5.1350
144.25	22.36	32.2543	89.70	3895.75	3.7017
161.97	19.45	31.5032	88.27	3988.03	4.1868
175.77	19.31	33.9412	85.88	3984.23	5.5788
168.23	22.14	37.2461	89.08	3971.77	4.5679
164.27	21.69	35.6302	85.62	4125.73	5.9828
152.27	24.54	37.3671	87.84	3977.73	5.1719
156.76	20.28	31.7909	85.82	3623.24	5.2531
182.04	20.95	38.1374	85.13	4297.96	6.6626
250.58	15.62	39.1406	84.89	4099.42	6.9694
190.62	18.53	35.3219	85.57	4109.38	5.9581
82.47	21.97	18.1187	88.89	2157.53	2.2653
161.70	22.86	36.9646	87.85	4088.3	5.1104
31.07	23.17	7.1989	89.04	738.93	0.8861
152.04	21.89	33.2816	82.38	3847.96	7.1184
177.25	20.95	37.1339	85.64	4292.75	6.2251
192.22	21.17	40.6930	85.43	4477.78	6.9410
194.83	19.66	38.3036	85.80	4225.17	6.3384
263.11	15.89	41.8082	91.70	4206.89	3.7858
177.02	21.36	37.8115	88.26	4022.98	5.0285
174.44	20.78	36.2486	87.00	4165.56	5.4154
115.63	23.52	27.1962	88.33	2994.37	3.5928
189.43	20.11	38.0944	87.02	4370.57	5.6816
162.18	22.35	36.2472	85.25	4047.82	6.2738
178.01	22.47	39.9988	89.86	4101.99	4.5132
177.23	21.65	38.3703	86.03	4152.77	6.2287
183.90	20.68	38.0305	89.30	3796.1	4.5555
140.60	21.64	30.4258	87.62	3439.4	4.3002
174.93	21.21	37.1027	86.23	4085.07	5.9233
254.37	16.56	42.1237	87.10	4025.63	6.2403
195.64	19.37	37.8955	85.02	4174.36	6.6785
223.14	17.49	39.0272	87.10	4126.86	5.7778
209.33	19.89	41.6357	89.11	4240.67	5.0893
196.55	19.10	37.5411	87.25	4063.45	5.4850

208.04	19.21	39.9645	87.95	4381.96	5.4765
174.31	22.37	38.9931	85.37	4175.69	6.6819
145.98	21.50	31.3857	85.25	3394.02	5.4303
156.36	20.78	32.4916	84.49	3613.64	5.9624
324.36	14.09	45.7023	87.04	4125.64	6.8077
263.57	16.78	44.2270	86.79	4206.43	6.7310
199.95	19.20	38.3904	86.85	4010.05	5.8146
150.22	22.89	34.3854	85.18	3519.78	5.9846
108.23	21.00	22.7283	85.12	2561.77	3.9717
282.87	19.83	56.0931	90.93	3857.13	5.5929
123.23	23.18	28.5647	82.39	3816.77	6.1073
131.30	22.50	29.5425	77.70	4238.7	8.4765
140.46	22.29	31.3085	83.12	4239.54	6.3595
146.75	17.65	25.9014	82.13	4173.25	5.6346
149.33	18.22	27.2079	79.29	3840.67	7.1061
167.55	21.98	36.8275	84.92	3962.45	6.5375
323.53	16.14	52.2177	90.26	4026.47	5.6373
198.01	24.43	48.3738	88.26	4151.99	6.4362
217.38	21.21	46.1063	88.12	4142.62	6.2137
213.96	20.90	44.7176	79.02	4106.04	11.8744
90.16	20.09	18.1131	78.13	1979.84	5.0709
155.55	22.92	35.6521	83.03	3644.45	7.2879
174.82	21.46	37.5164	82.93	4175.18	7.7236
194.38	21.91	42.5887	87.14	4055.62	6.2863
193.63	20.84	40.3525	87.59	4236.37	5.7195
129.08	21.47	27.7135	85.82	2860.92	4.5785
178.78	20.60	36.8287	87.00	3931.22	5.5043
117.67	24.98	29.3940	84.56	3832.33	5.3660
146.79	23.10	33.9085	83.95	3813.21	6.4835
180.89	21.54	38.9637	85.68	4069.11	6.5113
196.89	21.61	42.5479	96.62	4163.11	1.4881
182.94	20.94	38.3076	85.13	4317.06	6.6924
195.61	19.51	38.1635	87.31	4264.39	5.5445
166.49	22.63	37.6767	84.91	4183.51	6.6933
38.74	21.65	8.3872	87.32	811.26	1.2178

97.05	22.04	21.3898	86.83	2162.95	3.2442
294.51	20.72	61.0225	90.31	4365.49	6.5475
152.70	22.94	35.0294	83.88	4487.3	6.7306
273.61	19.70	53.9012	88.53	4106.39	6.9808
224.15	20.86	46.7577	86.87	4415.85	7.0663
185.04	20.95	38.7659	85.81	3884.96	6.4111

CuTailingsGrade
0.132
0.095
0.105
0.140
0.115
0.145
0.130
0.145
0.155
0.170
0.145
0.105
0.125
0.120
0.185
0.145
0.155
0.150
0.090
0.125
0.130
0.120
0.130
0.155
0.110
0.150
0.120
0.125
0.145
0.155
0.160
0.140
0.120
0.135

0.125
0.160
0.160
0.165
0.165
0.160
0.145
0.170
0.155
0.145
0.160
0.200
0.150
0.135
0.185
0.165
0.140
0.155
0.150
0.289
0.256
0.200
0.185
0.155
0.135
0.160
0.140
0.140
0.170
0.160
0.036
0.155
0.130
0.160
0.150

0.150
0.150
0.150
0.170
0.160
0.165