

Number	ID	m_fVelocity	m_fStable	m_fBubbleSize	FeedPulpQuantity	PlantEfficiency	Fineness	CuPulpGrade	CuPulpQuantity
1	524	9.451	0.956	18.117	4046	507.5	67.5	0.87	35.2002
2	524	10.255	0.955	18.391	4040	521.29	65	0.89	35.956
3	524	10.250	0.955	19.240	4150	518.75	66	0.86	35.69
4	525	8.631	0.959	18.730	4160	520	66	0.95	39.52
5	525	9.446	0.958	17.053	4140	517.5	67	1.01	41.814
6	525	10.224	0.957	18.533	4290	536.25	65	0.97	41.613
7	526	10.323	0.956	19.043	4130	516.25	65	1.03	42.539
8	526	10.496	0.957	18.846	3780	540	66	0.98	37.044
9	526	11.057	0.956	19.228	4480	560	66	1.00	44.8
10	527	10.492	0.956	18.882	4350	543.75	66	1.06	46.11
11	527	10.442	0.958	19.088	4300	537.5	67	0.96	41.28
12	527	9.057	0.951	14.864	2240	413.54	67	0.91	20.384
13	528	9.640	0.953	16.839	4250	554.35	66	0.99	42.075
14	528	8.165	0.946	13.003	770	385	68	1.05	8.085
15	528	11.366	0.949	17.279	4000	500	65	1.01	40.4
16	529	10.517	0.956	20.757	4470	558.75	65	0.97	43.359
17	529	10.850	0.957	18.728	4670	583.75	65	1.02	47.634
18	529	11.206	0.955	19.392	4420	552.5	66	1.01	44.642
19	530	11.209	0.956	19.545	4470	558.75	67	1.02	45.594
20	530	10.580	0.958	19.728	4200	560	67	1.02	42.84
21	530	10.356	0.957	19.440	4340	542.5	68.5	0.96	41.664
22	531	7.690	0.948	18.017	3110	518.33	66.5	0.99	30.789
23	601	10.080	0.955	17.122	4560	497.45	65	0.96	43.776
24	602	10.963	0.957	18.056	4210	526.25	65	1.01	42.521
25	602	11.492	0.958	17.869	4280	535	66	1.04	44.512
26	602	9.422	0.958	17.165	4330	541.25	66	1.03	44.599
27	603	8.903	0.959	18.802	3980	497.5	66	1.07	42.586
28	603	10.688	0.955	16.547	3580	523.9	66	0.97	34.726
29	603	9.663	0.957	17.588	4260	532.5	65	1.01	43.026
30	604	10.449	0.958	18.507	4280	535	65	1.13	48.364
31	604	10.448	0.958	18.428	4370	546.25	66.5	1.02	44.574
32	604	10.380	0.957	18.328	4350	543.75	67	1.03	44.805
33	605	9.705	0.957	18.387	4450	556.25	65.5	1.05	46.725
34	605	10.205	0.958	18.984	4260	532.5	67	1.01	43.026

35	605	10.258	0.955	17.692	4590	573.75	67	0.99	45.441
36	606	10.605	0.955	19.589	4350	543.75	66	1.05	45.675
37	606	10.148	0.956	17.468	3540	544.62	66	1.04	36.816
38	606	10.574	0.953	17.836	3770	565.5	66	1.02	38.454
39	607	9.656	0.956	18.996	4450	556.25	67	1.18	52.51
40	607	10.257	0.955	17.969	4470	558.75	66	1.14	50.958
41	607	11.615	0.955	19.143	4210	526.28	68	1.05	44.205
42	608	11.278	0.955	18.673	3670	543.7	65	1.10	40.37
43	608	11.841	0.955	19.043	2670	445	67	1.00	26.7
44	608	12.131	0.953	18.325	4140	517.5	66	1.49	61.686
45	609	13.460	0.952	18.244	3940	492.5	66	0.88	34.672
46	609	11.960	0.954	17.205	4370	546.25	66	0.87	38.019
47	609	12.810	0.953	18.513	4380	547.5	68	0.86	37.668
48	610	12.519	0.952	17.586	4320	540	66	0.73	31.536
49	610	10.774	0.956	17.885	3990	509.36	65	0.86	34.314
50	610	10.843	0.955	18.096	4130	516.25	65	1.05	43.365
51	611	10.829	0.953	18.300	4350	543.75	67	1.33	57.855
52	611	10.352	0.953	17.851	4350	543.75	66	1.26	54.81
53	611	10.786	0.953	17.566	4360	545	66	1.20	52.32
54	612	11.826	0.952	18.505	4320	540	65	1.31	56.592
55	612	6.464	0.948	17.684	2070	506.94	66	1.12	23.184
56	613	11.372	0.950	18.617	3800	570	65	1.13	42.94
57	613	11.722	0.948	17.299	4350	543.75	67	1.04	45.24
58	613	12.572	0.953	19.968	4250	531.25	65	1.15	48.875
59	614	11.024	0.954	19.458	4430	553.75	65	1.04	46.072
60	614	12.613	0.949	20.271	2990	512.57	66	1.08	32.292
61	614	11.922	0.949	21.237	4110	513.75	66	1.03	42.333
62	615	11.875	0.946	20.387	3950	493.75	67	0.88	34.76
63	615	12.077	0.945	19.815	3960	522.2	67	1.02	40.392
64	615	11.188	0.949	21.453	4250	531.25	65	1.07	45.475
65	616	16.747	0.939	17.590	4360	545	66	1.01	44.036
66	616	14.376	0.947	16.503	4500	562.5	66.5	1.00	45
67	616	12.762	0.958	18.227	4460	557.5	65	0.98	43.708
68	617	12.137	0.956	17.431	4350	543.75	66	1.02	44.37
69	617	11.781	0.953	17.559	850	536.84	65	1.13	9.605

70	617	10.876	0.947	17.924	2260	542.4	66	1.09	24.634
71	618	11.186	0.956	18.177	4660	582.5	66	1.45	67.57
72	618	12.535	0.951	17.394	4640	551.29	67	0.90	41.76
73	619	12.762	0.954	18.462	4380	547.5	65	1.39	60.882
74	619	12.873	0.953	16.796	4640	580	66	1.16	53.824
75	619	13.591	0.953	16.983	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
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0.140
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0.036
0.155
0.130
0.160
0.150

0.150
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0.170
0.160
0.165