

TRP METALLURGICAL BALANCE

DATE	GRADE (oz/ton)						REAGENT CONSUMPTION				AVE.		EXTRACTION			
	DRY TONS	% SOL	SOL'N TONS	HEAD	TAILS	CALC	TAILS SOL'N	NaCN (lb)	CaO (lb)	NaCN (lb/ton)	CaO (lb/ton)	FREE	AVE.	% DISSOLUTION	% ABSORPTION	% RECOVERY
						PREG SOL'N						CN	pH			
18/7	11.6	39	18.1	0.052	0.032	0.0128	0.0010 *	0	0	2.26	1.32	0.8	11.1	38.5	92.2	35.5
19	18.5	37	31.5	0.057	0.032	0.0147	0.0010 *	0	0	2.26	1.32	0.8	11.2	43.8	93.2	40.8
20	58.5	37	99.6	0.066	0.034	0.0186	0.0014	220	55	2.26	1.32	1.1	11.2	48.2	92.5	44.6
21	64.9	34	126.0	0.070	0.040	0.0156	0.0005	0	55	2.26	1.32	1.0	11.0	43.1	96.8	41.8
22	52.5	29	128.5	0.064	0.042	0.0090	0.0006	0	220	2.26	1.32	0.7	10.2	34.5	93.4	32.2
23	63.5	28	163.3	0.067	0.042	0.0097	0.0008	220	55	2.26	1.32	0.9	11.1	37.4	91.8	34.3
24	59.2	29	144.9	0.065	0.041	0.0099	0.0012	220	55	2.26	1.32	1.0	10.5	37.0	87.8	32.5
25	59.0	26	167.9	0.071	0.043	0.0099	0.0010	0	110	2.26	1.32	1.0	10.4	39.5	89.9	35.5
26	51.7	28	132.9	0.067	0.040	0.0106	0.0008	220	165	2.26	1.32	1.2	10.8	40.6	92.5	37.5
27	79.4	32	168.7	0.065	0.038	0.0125	0.0007	220	165	2.26	1.32	1.1	11.1	41.2	94.4	38.9
28	74.9	32	159.2	0.059	0.031	0.0132	0.0008	0	165	2.26	1.32	1.0	11.0	47.4	93.9	44.6
29	75.8	30	176.9	0.069	0.042	0.0116	0.0013	220	55	2.26	1.32	0.8	10.5	39.1	88.8	34.7
30	79.6	29	194.9	0.069	0.043	0.0108	0.0011	220	55	2.26	1.32	0.8	10.0	38.1	89.8	34.2
31	75.6	27	204.4	0.063	0.038	0.0093	0.0013	0	55	2.26	1.32	1.1	10.2	39.8	86.0	34.3
1/8	85.6	29	209.6	0.061	0.040	0.0086	0.0014	220	110	2.26	1.32	1.0	10.1	34.5	83.7	28.9
2	57.0	29	139.6	0.067	0.041	0.0104	0.0012	0	110	2.26	1.32	1.1	10.1	38.4	88.5	34.0
3	75.7	38	123.5	0.071	0.040	0.0188	0.0004	220	55	2.26	1.32	1.1	10.0	43.4	97.9	42.5
4	73.7	40	110.6	0.070	0.042	0.0187	0.0009	220	165	2.26	1.32	1.2	10.0	40.0	95.2	38.1
5	68.6	41	98.7	0.069	0.045	0.0168	0.0008	220	0	2.26	1.32	1.2	10.1	35.0	95.2	33.3
6	52.4	40	78.6	0.067	0.044	0.0152	0.0013	0	55	2.26	1.32	1.1	10.2	34.1	91.4	31.2
7	86.7	34	168.3	0.062	0.039	0.0119	0.0013	0	55	2.26	1.32	0.9	10.3	37.2	89.1	33.2
8	80.5	25	241.5	0.075	0.039	0.0118	0.0013	440	55	2.26	1.32	1.0	10.4	47.7	89.0	42.4
9	57.4	21	215.9	0.074	0.044	0.0080	0.0011	220	110	2.26	1.32	0.7	9.6	40.6	86.2	35.0
10	70.0	24	221.7	0.083	0.047	0.0113	0.0014	220	165	2.26	1.32	0.8	9.8	43.2	87.6	37.8
11	50.8	25	152.4	0.077	0.042	0.0115	0.0014	0	55	2.26	1.32	1.1	10.3	45.1	87.8	39.6
12	51.5	26	146.6	0.072	0.045	0.0094	0.0014	0	55	2.26	1.32	1	10	37.3	85.1	31.8
13	58.7	28	150.9	0.066	0.043	0.0090	0.0016	220	110	2.26	1.32	1.1	10	35.1	82.3	28.9
14	62.8	27	169.8	0.057	0.038	0.0070	0.001	220	55	2.26	1.32	0.9	10.1	33.1	85.6	28.4
15	17.9	21	67.3	0.056	0.037	0.0052	0.001	0	110	2.26	1.32	0.9	9.9	34.4	80.6	27.7
16	68.3	22	242.2	0.058	0.037	0.0060	0.0008	440	0	2.26	1.32	0.9	10	36.4	86.6	31.6
17	84.0	26	239.1	0.057	0.038	0.0068	0.0011	220	55	2.26	1.32	1	10	33.8	83.9	28.3
18	57.6	30	134.4	0.059	0.035	0.0104	0.0012	220	110	2.26	1.32	0.7	10	40.9	88.4	36.2
19	57.6	30	134.4	0.055	0.034	0.0090	0.0007	0	55	2.26	1.32	0.5	9.7	38.3	92.2	35.3
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TOTAL	2042							4620	2695							
AVERAGE	61.9	30	150.4	0.065	0.040	0.0113	0.0011	140.0	81.7	2.26	1.32	1.0	10.4	39.3	89.6	35.3

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