

CYANIDATION TESTSDate of test: August 10, 1987Sample: TRP STOCK TANK COMPOSITE AUG 1-5/87Sample Code#: TRP 5

Initial				Final
Size = <u>200 g</u>	Reagents	1 hr Roll	After <u>24</u> Hrs.	After <u>48</u> Hrs.
pH = <u>7.6</u>	NaCN = <u>0.10 g</u>	pH = <u>11.7</u>	pH = <u>11.2</u>	pH = <u>10.9</u>
%-200 = <u>65 %</u>	CaO = <u>0.5 g</u>	CN ⁻ = <u>0.4 #/T</u>	CN ⁻ = <u>0.65 #/t</u>	CN ⁻ = <u>0.40 #/t</u>
H ₂ O = <u>400 ml</u>	Others =	Tit = <u>10 ml</u>	Tit = <u>80 ml</u>	Tit = <u> </u> ml
Other =	pH to 11.1 added 10 mL 5% CaO.	Other = - added 0.6 lb/ton NaCN	Other = Add 0.35 lb/ton NaCN	Other =

Sample Calculations

	Units	Assay	Distribution	Recovery
ASSAY HEAD	200 g	2.055 g/t	0.411 mg	
Preg	410 mL	0.3014 mg/L	2.1236 mg	27.95%
Wash	500 mL	0.0480 mg/L	0.0240 mg	5.43%
Total	910 mL	0.1622 mg/L	0.1476 mg	33.38%
Residue	200 g	1.4728 g/t	0.2946 mg	66.62%
Calc Head	200 g	2.211 g/t	0.4422 mg	100.0%

Note: Preg(ml) = Preg + Tit.Sample Test Outlines

- roll 1 hr
- check reagents, pH. Add NaCN, CaO to desired levels
- roll further 23 hr
- Check as after 1st hour
- roll further 24 hr
- filter pregnant solution off. Measure volume
- Wash with 500 mL H₂O

CYANIDATION TESTSDate of test: August 10, 1987Sample: TRP STOCK TANK COMPOSITE AUG 1-5 /87Sample Code#: TRP6

Initial				Final
Size = <u>200 g</u>	Reagents	<u>1 hr</u> Roll	After <u>24</u> Hrs.	After <u>48</u> Hrs.
pH = <u>7.5</u>	NaCN = <u>0.10 g</u>	pH = <u>11.1</u>	pH = <u>10.9</u>	pH = <u>10.2</u>
%-200 = <u>65 %</u>	CaO = <u>0.25 g</u>	CN ⁻ = <u>0.3 #/t</u>	CN ⁻ = <u>0.75 #/t</u>	CN ⁻ = <u>0.75 #/t</u>
H ₂ O = <u>400 ml</u>	Others =	Tit = <u>10 ml</u>	Tit = <u>80 ml</u>	Tit = <u> </u> ml
Other =	pH to 11.1	Other =	Other =	Other =
	added 5 ml	added 0.7 lb/t NaCN	added 0.25 lb/t NaCN	
	5% CaO			

Sample Calculations

	Units	Assay	Distribution	Recovery
ASSAY HEAD	200 g	2.055 g/t	0.411 mg	
Preg	450 mL	0.2603 $\frac{\text{mg}}{\text{L}}$	0.1171 mg	27.31 %
Wash	500 mL	0.0343 $\frac{\text{mg}}{\text{L}}$	0.0171 mg	3.99 %
Total	950 mL	0.1413 $\frac{\text{mg}}{\text{L}}$	0.1342 mg	31.30 %
Residue	200 g	1.4728 g/t	0.2976 mg	68.70 %
Calc Head	200 g	2.144 g/t	0.4288 mg	100.0 %

Note: P_{reg}(ml) = Preg + Tit.Sample Test Outlines

- roll 1hr
- check reagents, pH Add NaCN, CaO to achieve desired levels
- roll for further 23hr
- check as after 1st hour
- roll for further 24 hour
- filter pregnant solution off. Measure Volume
- wash with 500 mL H₂O

