

CYANIDATION TESTS

Date of Test: MARCH 14/90

Sample: HCD-2

Sample Code #:

REF: CYANID.FRM

Initial						
Size = 200 g	Reagents	1 hr Roll	After 24 Hrs.	After 48 Hrs.	After 72 Hrs.	
pH =	CaO = g	pH = 7.2	pH = 7.8	pH = 7.4	pH = 7.5	
%-200=	NaCN =	CN ⁻ = lb/t	CN ⁻ = lb/t	CN ⁻ = lb/t	CN ⁻ = 0.7 lb/t	
H2O = 200 mL	Other =	Tit = mL	Tit = mL	Tit = mL	Tit = mL	
Other=	pH to	Other =	Other =	Other =	Other =	
	NaOH 0.1g (1lb/t)	NaCN 1.8g				
	Na2CO3 0.5g	(18 lb/t)				
	(5lb/t)					
	AMINE 0.08g					
	(0.8lb/t)					

Sample Calculations:

	Units	Gold			Arsenic		
		Assay	Distribution	Recovery	Assay	Distribution	Recovery
Preg	180 mL	20.914 mg/L	3.765 mg	41.8 %	3088 mg/L	556 mg	5.3 %
Wash	1000 mL	3.531 mg/L	3.531 mg	39.2 %	mg/L	mg	%
Total	1180 mL	6.183 mg/L	7.296 mg	81.0 %	mg/L	mg	%
Residue	192 g	8.914 g/t	1.712 mg	19.0 %	5.18 %	9946 mg	94.7 %
Calc Head	192 g	46.917 g/t	9.008 mg	100.0 %	5.47 %	10502 mg	%
Assay Head	192 g	53.829 g/t	10.335 mg		5.66 %	10867 mg	

Note: Preg (mL) = Preg + Tit

3.8% improved in extraction
= 2.2 g/gd