

APPENDIX K

PRODUCTION OF HIGH GRADE TIN CONCENTRATES

Test PC1/HC - 55.5 g of combined table/superpanner concentrates (+250 to -53 μm in proportion by weight) used for testing; stage dry grind to 100% -150 μm ; stage sulphide floats at highest density possible; superpanning sulphide flotation tail.

(a) Flotation Conditions and Reagents

Stage	Conditions			Reagent Addition kg/t	
	Time (min.)		pH	SSBX	MIBC
	Conditioning	Flotation			
Sulphide Ro Float 1	2	5	5.9	0.01	0.04
Sulphide Ro Float 2	2	5	5.9	0.01	0.02
Sulphide Ro Float 3	2	5	5.9	0.01	0.02
Sulphide Ro Float 4	2	5	5.9	0.01	0.02

(b) Results

Test Product	Weight %	Assay %		Distribution %	
		Sn	Total S	Sn	Total S
Sulphide Ro Conc	44.01	0.43	42.4	2.55	60.23
Superpanner Tin Conc	10.72	48.3	10.2	69.77	3.53
Superpanner Tin Tail	45.27	4.54	24.8	27.68	36.24
(Sulphide Ro Tail)	(55.99)	(12.9)	(22.0)	(97.45)	(39.77)
Calc Head	100.00	7.42	31.0	100.00	100.00