

Test PC2/F11 - Stage grind to 100% -75 μ m at 60% solids (7 $\frac{1}{2}$ min., 500 g charge); sulphide pre-float; stage tin rougher floats with SPA as collector.

(a) Flotation Conditions and Reagents

Stage	Conditions		Reagent Addition kg/t			
	Time (min.)	pH	SSBX	SPA	H ₂ SO ₄ /NaOH	MIBC
Conditioning Flotation						
Sulphide Ro Float 1	2	5	5.3	0.01	-	0.04
Sulphide Ro Float 2	2	5	5.3	0.01	-	0.02
Tin Ro Float 1	5	5	4.5	-	0.25 0.042/	0.02
Tin Ro Float 2	5	5	4.5	-	0.25 - /0.032	0.01
Tin Ro Float 3	5	5	4.5	-	0.20 - /0.008	0.01
Tin Ro Float 4	5	5	4.5	-	0.20 - /0.008	0.01
Tin Ro Float 5	5	5	4.5	-	0.20 - /0.020	0.01
Tin Ro Float 6	5	5	4.5	-	0.20 - /0.020	0.01
Tin Ro Float 7	5	5	4.5	-	0.20 - /0.020	0.01
Tin Ro Float 8	5	5	4.5	-	0.20 - /0.020	0.01
Tin Ro Float 9	5	5	4.5	-	0.20 - /0.020	0.01

(b) Results

Test Product	Weight %	Assay % Sn	Distribution % Sn
Sulphide Ro Conc	12.81	0.34	13.51
Tin Ro Conc 1	1.44	3.08	50.26
Tin Ro Conc 2	0.60		
Tin Ro Conc 3	1.08		
Tin Ro Conc 4	1.44		
Tin Ro Conc 5	0.70		
Tin Ro Conc 6	0.64	2.96	11.29
Tin Ro Conc 7	0.59		
Tin Ro Conc 8	0.67	2.52	10.16
Tin Ro Conc 9	0.63		
(Tin Ro Conc)	(7.79)	(2.97)	(71.71)
Tin Ro Tail	79.40	0.06	14.78
Calc Head	100.00	0.32	100.00
Assay Head		0.29	