

Test SC2/F1 - Stage grind to 100% -150 um at 60% solids (4 min., 500 g charge); talc pre-float; sulphide rougher floats; stage tin rougher floats with PTAA as collector.

(a) Flotation Conditions and Reagents

Stage	Conditions			Reagent Addition kg/t			
	Time (min.)		pH	SSBX	PTAA	H ₂ SO ₄	MIBC
	Conditioning	Flotation					
Talc Pre-float	2	5	7.3	-	-	-	0.04
Sulphide Ro Float 1	2	5	7.3	0.01	-	-	0.02
Sulphide Ro Float 2	2	5	7.3	0.01	-	-	0.02
Tin Ro Float 1	5	5	5.0	-	0.30	0.800	0.02
Tin Ro Float 2	5	5	5.0	-	0.30	0.454	0.01
Tin Ro Float 3	5	5	5.0	-	0.25	0.344	0.01
Tin Ro Float 4	5	5	5.0	-	0.25	0.260	0.01
Tin Ro Float 5	5	5	5.0	-	0.25	0.260	0.01
Tin Ro Float 6	5	5	5.0	-	0.25	0.260	0.01

(b) Results

Test Product	Weight %	Assay % Sn	Distribution % Sn
Talc Conc	16.81	0.88	12.31
Sulphide Ro Conc	28.03	0.29	6.76
Tin Ro Conc 1	2.39	7.92	15.79
Tin Ro Conc 2	4.35	15.4	55.80
Tin Ro Conc 3	2.72	1.42	3.21
Tin Ro Conc 4	6.35	0.31	1.64
Tin Ro Conc 5	2.93	0.17	0.42
Tin Ro Conc 6	4.02	0.17	0.57
(Tin Ro Conc)	(22.76)	(4.09)	(77.43)
Tin Ro Tail	32.40	0.13	3.50
Calc Head	100.00	1.20	100.00
Assay Head		1.20	
(Tin Ro Conc 1 +2)	(6.74)	(12.8)	(71.59)