

Test SC1/F2 - Stage grind to 100% -75 μm at 60% solids (6 min., 500 g charge); sulphide rougher and cleaner floats; stage tin rougher floats on sulphide rougher tail.

(a) Flotation Conditions and Reagents

Stage	Conditions		pH	Reagent Addition kg/t			
	Time (min.)			SSBX	PTAA	H ₂ SO ₄	MIBC
	Conditioning	Flotation					
Sulphide Ro Float 1	2	5	7.2	0.01	-	-	0.04
Sulphide Ro Float 2	2	5	7.2	0.01	-	-	0.02
Sulphide Cl Float 1	2	3	7.2	-	-	-	0.02
Sulphide Cl Float 2	2	5	7.2	0.005	-	-	0.02
Sulphide Cl Float 3	2	5	7.2	0.005	-	-	0.02
Tin Ro Float 1	5	5	5.0	-	0.30	0.332	0.02
Tin Ro Float 2	5	5	5.0	-	0.30	0.192	0.01
Tin Ro Float 3	5	5	5.0	-	0.25	0.150	0.01
Tin Ro Float 4	5	5	5.0	-	0.25	0.136	0.01
Tin Ro Float 5	5	5	5.0	-	0.25	0.116	0.01
Tin Ro Float 6	5	5	5.0	-	0.25	0.116	0.01

(b) Results

Test Product	Weight %	Assay % Sn	Distribution % Sn
Sulphide Cl Conc	45.64	0.40	13.46
Sulphide Cl Tail	3.33	2.44	5.99
(Sulphide Ro Conc)	(48.97)	(0.54)	(19.45)
Tin Ro Conc 1	4.88	12.80	46.00
Tin Ro Conc 2	2.81	7.30	15.10
Tin Ro Conc 3	2.53	3.62	6.74
Tin Ro Conc 4	2.84	1.43	2.99
Tin Ro Conc 5	1.59	0.8	0.94
Tin Ro Conc 6	2.62	0.81	1.56
(Tin Ro Conc 1 to 6)	(17.27)	(5.76)	(73.33)
Tin Ro Tail	33.76	0.29	7.22
Calc Head	100.00	1.36	100.00
Assay Head		1.40	
(Sulphide Cl Tail + Tin Ro Conc 1 to 6)	(20.60)	(5.23)	(79.32)
(Tin Ro Conc 1 + 2)	(7.69)	(10.8)	(61.10)