

(b) Results

Test Product	Weight %	Assay % Sn	Distribution % Sn
Sulphide Ro Conc	12.21	0.335	12.54
Tin Rougher Conc 1	1.22	3.60	66.01
Tin Rougher Conc 2	0.95		
Tin Rougher Conc 3	0.36		
Tin Rougher Conc 4	0.40		
Tin Rougher Conc 5	0.67		
Tin Rougher Conc 6	0.70	1.40	16.66
Tin Rougher Conc 7	0.70		
Tin Rougher Conc 8	0.48	1.17	1.47
Tin Rougher Conc 9	0.69		
Tin Rougher Conc 10	0.96	1.86	0.66
Tin Rougher Conc 11	0.90		
Tin Rougher Conc 12	1.18	0.070	0.25
(Tin Ro Conc)	(9.21)	(3.01)	(85.05)
Tin Ro Tail	78.58	0.01	2.41
Calc Head	100.00	0.33	100.00
Assay Head		0.29	

(c) Comments

- (i) Sulphide rougher concentrates obtained in Tests PC2/F4 and F6 were very similar using PAX and SSBX respectively as collector.
- (ii) Tin recovery in tin rougher flotation increased from 35.79% to 66.01% in the first five stages with additional 0.1 kg/t PTA collector. The tin recovery was similar in both tests (83.69% in Test PC2/F4 and 85.05% in Test PC2/F5) after 12 stages of flotation and Test PC2/F6 was given an additional 0.8 kg/t of collector distributed over Stages 5 to 12. However, results obtained in Test PC2/F6 indicated that with an additional 0.5 kg/t of collector tin flotation time was reduced from 60 to 45% minimum without deleterious effect on tin recovery and grade.
- (iii) Overall tin recovery (sulphide + tin rougher concentrates) was up to 97.59% in Test PC2/F6 as compared to 95.75% in Test PC2/F4. This was one of the best recovery figures obtained to date for all composite ore samples subjected to flotation treatment.