

Test PC2/F10 - Stage grind to 100% -150 μm at 60% solids (4 min., 500 g charge); sulphide rougher and cleaner floats; stage tin rougher floats on sulphide rougher and cleaner tails followed by superpanning on +38 μm and cyclosizing on -38 μm fractions of the tin flotation rougher concentrate.

(a) Flotation Conditions and Reagents

| Stage | Conditions | | | Reagent Addition kg/t | | | |
|---------------------|--------------|-----------|-----|-----------------------|------|--------------------------------|------|
| | Time (min.) | | pH | PAX | PTAA | H ₂ SO ₄ | MIBC |
| | Conditioning | Flotation | | | | | |
| Sulphide Ro Float 1 | 2 | 5 | 5.6 | 0.01 | - | - | 0.04 |
| Sulphide Ro Float 2 | 2 | 5 | 5.6 | 0.01 | - | - | 0.02 |
| Sulphide Cl Float | 2 | 5 | 6.2 | 0.005 | - | - | 0.04 |
| Tin Ro Float 1 | 5 | 5 | 5.0 | - | 0.30 | 0.086 | 0.02 |
| Tin Ro Float 2 | 5 | 5 | 5.0 | - | 0.30 | 0.034 | 0.01 |
| Tin Ro Float 3 | 5 | 5 | 5.0 | - | 0.25 | 0.030 | 0.01 |
| Tin Ro Float 4 | 5 | 5 | 5.0 | - | 0.25 | 0.030 | 0.01 |
| Tin Ro Float 5 | 5 | 5 | 5.0 | - | 0.25 | 0.024 | 0.01 |
| Tin Ro Float 6 | 5 | 5 | 5.0 | - | 0.25 | 0.024 | 0.01 |
| Tin Ro Float 7 | 5 | 5 | 5.0 | - | 0.25 | 0.026 | 0.01 |
| Tin Ro Float 8 | 5 | 5 | 5.0 | - | 0.25 | 0.024 | 0.01 |
| Tin Ro Float 9 | 5 | 5 | 5.0 | - | 0.25 | 0.024 | 0.01 |
| Tin Ro Float 10 | 5 | 5 | 5.0 | - | 0.25 | 0.024 | 0.01 |