



Certificate of Analysis

Brand name: Pure Crocin

Trans Sodium Crocetinate (TSC) Trans Crocetinate Sodium

| Analysis item | Specifications / Results |
|-------------------------------|--|
| CAS Number | 591230-99-8 |
| Chemical Formula | C ₂₀ H ₂₂ Na ₂ O ₄ |
| Molecular Weight | 372.372 g/mol |
| Type of Compound | Diterpenoids |
| Appearance | Orange powder |
| Loss on drying (105°C) | <1% |
| Purity | >98% (HNMR/CNMR) document is available |
| Heavy metals (As, Hg, Pb, Cd) | < 40 ppm |
| Solubility | Freely soluble in water (40 mg/mL stable for 1h) |
| Storage condition | Dry, dark and at 2 - 8 °C for months to years |

Note:

We could produce highly water soluble form of TSC which make it suitable for pharmaceutical formulations (formulation of aqueous injectable TSC). The aqueous solution of the produced TSC is stable for 1-2h (depends on concentration) due to hydrolyzing to its free acid form Crocetin.

