

Certificate of Analysis (Representative Sample Certificate)

Product Number
Batch #

AUSTRALIAN AMBER
Not Available (data may vary slightly with different lots or batches)

| | Spec. values | | Batch values | | Method |
|--|-------------------------------------|-------|--------------|-------|----------------------|
| Assay (Mica) | 48.0- 65.0 | % | 57.4 | % | Inhouse |
| Assay (TiO ₂) | 2.0- 6.0 | % | 3.7 | % | Inhouse |
| Assay (Fe ₂ O ₃ & Fe ₃ O ₄) | 33.0- 46.0 | % | 38.9 | % | Inhouse |
| pH (10 % aqueous suspension) | 6.0- 10.0 | | 8.1 | | ISO 787-9 |
| Particle Size Distribution | 80% within the range 10.0-60.0µm | | Conforms | | Laser Diffraction |
| Particle Size (d ₅₀) | 18.0- 25.0 | µm | 21.3 | µm | Laser Diffraction |
| Screening Test (< 0.150 mm) | Conforms | | Conforms | | Inhouse |
| Loss on Drying (105°C) | ≤ 0.5 | % | ≤ 0.5 | % | ISO 787-2 |
| Visual and Colorimetric Evaluation | Conforms | | Conforms | | Inhouse |
| Heavy metals (As) | ≤ 0.0002 | % | ≤ 0.0002 | % | mod.CTFA/int.methods |
| Heavy metals (Ba) | ≤ 0.0050 | % | ≤ 0.0050 | % | mod.CTFA/int.methods |
| Heavy metals (Cd) | ≤ 0.0003 | % | ≤ 0.0003 | % | mod.CTFA/int.methods |
| Heavy metals (Cr) | ≤ 0.0100 | % | ≤ 0.0100 | % | mod.CTFA/int.methods |
| Heavy metals (Cu) | ≤ 0.0050 | % | ≤ 0.0050 | % | mod.CTFA/int.methods |
| Heavy metals (Hg) | ≤ 0.0001 | % | ≤ 0.0001 | % | mod.CTFA/int.methods |
| Heavy metals (Ni) | ≤ 0.0010 | % | ≤ 0.0010 | % | mod.CTFA/int.methods |
| Heavy metals (Pb) | ≤ 0.0010 | % | ≤ 0.0010 | % | mod.CTFA/int.methods |
| Heavy metals (Sb) | ≤ 0.0001 | % | ≤ 0.0001 | % | mod.CTFA/int.methods |
| Heavy metals (Zn) | ≤ 0.0050 | % | ≤ 0.0050 | % | mod.CTFA/int.methods |
| Microbial Purity (Total Viable Aerobic Count) | ≤ 100 | CFU/g | ≤ 100 | CFU/g | USP,Ph.Eur.,JP |
| Gram negative bacteria | absent in 1 g | | passes test | | USP,Ph.Eur.,JP |
| E.coli | absent in 1 g | | passes test | | USP,Ph.Eur.,JP |
| Pseudomonas aeruginosa | absent in 1 g | | passes test | | USP,Ph.Eur.,JP |
| Staphylococcus aureus | absent in 1 g | | passes test | | USP,Ph.Eur.,JP |
| Salmonella species | absent in 10 g | | passes test | | USP,Ph.Eur.,JP |
| Candida Albicans | absent in 1 g | | passes test | | USP,Ph.Eur.,JP |

Colour-Index (TiO₂): C.I.No. 77891, Colour-Index (Fe₃O₄): C.I.No. 77499, Colour-Index (Fe₂O₃):C.I.No. 77491

This article meets the purity requirements in USA, Japan and European Union for cosmetic colour additives.

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