

Certificate of Analysis (Representative Sample)

Hilite Copper

Batch

| | Spec. Values | | Batch Values | | Method |
|------------------------------------|--------------------------------------|---|--------------|---|---------------------|
| Assay (Mica) | 28.0 - 42.0 | % | 38.1 | % | Inhouse |
| Assay (SiO2) | 10.0 - 14.0 | % | 12.0 | % | Inhouse |
| Assay (TiO2) | 48.0 - 58.0 | % | 49.9 | % | Inhouse |
| Particle Size Distribution | 80 % within the range 10.0 - 60.0 µm | | Conforms | | Laser diffraction |
| Particle size (d50) | 18.0 - 25.0 | µ | 23.4 | µ | Laser diffraction |
| pH (10% aqueous suspension) | 8.0 - 11.0 | | 9.5 | | ISO 787-9 |
| Loss on Drying (105 °C) | <= 0.5 | % | <= 0.5 | % | Inhouse |
| Visual and Colorimetric Evaluation | Conforms | | Conforms | | Inhouse |
| Heavy Metals (As) | <= 0.0002 | % | <= 0.0002 | % | mod.PCPC/int.method |
| Heavy Metals (Ba) | <= 0.0050 | % | <= 0.0050 | % | mod.PCPC/int.method |
| Heavy Metals (Cd) | <= 0.0003 | % | <= 0.0003 | % | mod.PCPC/int.method |
| Heavy Metals (Cr) | <= 0.0100 | % | <= 0.0100 | % | mod.PCPC/int.method |
| Heavy Metals (Cu) | <= 0.0050 | % | <= 0.0050 | % | mod.PCPC/int.method |
| Heavy Metals (Hg) | <= 0.0001 | % | <= 0.0001 | % | mod.PCPC/int.method |
| Heavy Metals (Ni) | <= 0.0010 | % | <= 0.0010 | % | mod.PCPC/int.method |
| Heavy Metals (Pb) | <= 0.0010 | % | <= 0.0010 | % | mod.PCPC/int.method |
| Heavy Metals (Sb) | <= 0.0001 | % | <= 0.0001 | % | mod.PCPC/int.method |
| Heavy Metals (Zn) | <= 0.0050 | % | <= 0.0050 | % | mod.PCPC/int.method |
| microbia | <= 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 |

Colour-Index (TiO2): C.I.No. 77891

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

Date of Release (MM DD YYYY)

Minimum Shelf Life (MM DD YYYY)

Responsible laboratory manager quality control

This document has been produced electronically and is valid without a signature.

Certificate of Analysis

Hilite Copper

Batch

| | Spec. Values | Batch Values | Method |
|-------------------|----------------|--------------|----------------|
| almonella species | absent in 10 g | passes test | USP,Ph.Eur.,JP |
| Candida Albicans | absent in 1 g | passes test | USP,Ph.Eur.,JP |

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