

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

Colour-Index (TIO2): C.I.No. 77891

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