

# Certificate of analysis

( Representative Sample Certificate )



**Product identifier: Bronze Fine**

	Spec. Values		Batch Values		Method
Assay (mica)	50.0 - 60.0	%	55.8	%	In-house
Assay (Fe <sub>2</sub> O <sub>3</sub> )	40.0 - 50.0	%	44.2	%	In-house
Particle Size Distribution (80% within the range 5.0 - 25.0 µm)	conforms		conforms		laser diffraction
Particle Size (d50)	7.0 - 14.0	µm	11.9	µm	laser diffraction
Screening Test (< 0.150 mm)	conforms		conforms		In-house
pH (10% aqueous suspension)	3.0 - 7.0		5.5		ISO 787-9
Loss on Drying (105°C)	≤ 0.5	%	≤ 0.5	%	ISO 787-2
Heavy metals (As)	≤ 0.0002	%	≤ 0.0002	%	mod.PCPC/int.methods
Heavy metals (Ba)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Cd)	≤ 0.0003	%	≤ 0.0003	%	mod.PCPC/int.methods
Heavy metals (Cr)	≤ 0.0100	%	≤ 0.0100	%	mod.PCPC/int.methods
Heavy metals (Cu)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Hg)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Heavy metals (Ni)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Pb)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Sb)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Heavy metals (Zn)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Visual and Colorimetric Evaluation	conforms		conforms		In-house
Microbial Purity (Total Viable Aerobic Count)	≤ 100	CFU/g	≤ 100	CFU/g	USP, Ph.Eur.
Gram negative bacteria	absent in 1 g		passes test		USP, Ph.Eur.
E.coli	absent in 1 g		passes test		USP, Ph.Eur.
Pseudomonas aeruginosa	absent in 1 g		passes test		USP, Ph.Eur.
Staphylococcus aureus	absent in 1 g		passes test		USP, Ph.Eur.
Salmonella species	absent in 10 g		passes test		USP, Ph.Eur.
Candida albicans	absent in 1 g		passes test		USP, Ph.Eur.

Colour-Index (Fe<sub>2</sub>O<sub>3</sub>): C.I.No. 77491

It is hereby confirmed, that the delivered goods have been examined and they are in accordance with our confirmation of order.  
This article meets the purity requirements in USA, Japan and European Union for cosmetic colour additives.

**TKB TRADING, LLC**

1101 9th Avenue  
Oakland, CA 94606  
Tel: (510)-922-9027  
www.tkbtrading.com