



Certificate of Analysis

TKB TRADING, LLC
1101 9th Avenue
Oakland, CA 94606
Tel: 510-922-9027
www.tkbtrading.com

SILKEN GOLD COSMETIC PIGMENT

Batch n/a

	Spec. Values		Batch Values		Method	
Assay (mica)	41.0 - 50.0	%	45.3	%		
Assay (TiO ₂)	50.0 - 58.0	%	54.2	%		
Assay (SnO ₂)	≤ 1.0	%	0.5	%		
Particle-size distribution (80% within the range 5.0-25.0 μm)	conforms		conforms			laser diffraction
Particle size (d50)	7.0 - 14.0	μm	11.3	μm		laser diffraction
screening test (< 0.150 mm)	conforms		conforms			
pH-value (10 % aqueous slurry)	8.0 - 11.0		10.1			ISO 787-9
Loss on drying (105 °C)	≤ 0.5	%	≤ 0.5	%		ISO 787-2
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
Visual and colorimetric evaluation	conforms		conforms			
Microbiological 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 (TiO₂): C.I.No. 77891

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.

Date of release (DD.MM.YYYY) 05.08.2015

Minimum shelf life (DD.MM.YYYY) 31.08.2025

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