



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

Certificate of Analysis (Representative Sample)

Hilite Gold
COSMETIC PIGMENT

Product Code KI- 401

Lot Number

Date of Manufacture

Expiration Date:

ANALYTICAL DATA

Color and Appearance
 Content of Mica *
 Content SiO2
 Content of TiO2
 Particle size distribution
 (80% within 10-60 µm)
 Median particle size (D50)
 pH (10% aqueous suspension)
 Loss on Drying(2 hrs. 105 degrees C)

SOP's

Merck KGaA
 Merck KGaA
 Merck KGaA
 Merck KGaA
 Laser diffraction
 Laser diffraction
 ISO 787-9
 Merck KGaA

SPECS

Conforms
 28.0 -42.0
 10.0 -14.0
 48.0 -58.0
 Conforms
 18.0 -25.0
 8.0 -11.0
 </=0.5

RESULTS

Conforms
 37.1 %
 12.0 %
 50.9 %
 Conforms
 23.5 µ
 10.2
 </= 0.5 %

Microbial Purity

USP or EP or JP

Total Viable Aerobic Count
 E. coli
 Pseudomonas aeruginosa
 Staphylococcus aureus
 Salmonella species
 Gram negative bacteria
 Candida albicans

< 100 CFU/g
 Absent in 1g
 Absent in 1g
 Absent in 1g
 Absent in 10g
 Absent in 1g
 Absent in 1g

Heavy Metals

Modified CTFA/Internal

Arsenic	< 2 ppm	Barium	< 50 ppm	Cadmium	< 3 ppm
Chromium	< 100 ppm	Copper	< 50 ppm	Mercury	< 1 ppm
Nickel	< 10 ppm	Lead	< 10 ppm	Antimony	< 1 ppm
Zinc	< 50 ppm				

This material does not contain organic colorants

The color additives in this material meet all applicable purity requirements of the FDA(21 - CFR), the E C and Japan for cosmetic use

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* Calculated by Difference