



TKB TRADING, LLC  
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# 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