



TKB TRADING, LLC
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**Certificate of Analysis
 (Representative Sample Certificate)**

**BLACK MICA
 COSMETIC PIGMENT**

Lot Number	Not available (data may vary slightly with different lots or batches)	Issue Date:	N/a
Date of Manufacture	Not available	Expiration Date:	Not available

ANALYTICAL DATA

Color and Appearance
 Content of Mica *
 Content of TiO2
 Content of Fe3O4
 pH (10% aqueous suspension)
 Particle size distribution
 (80% within 10-60 µm)
 Median particle size (D50)
 Loss on Drying(2 hrs. 105 degrees C)

SOP's

Merck KGaA
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 ISO 787-9
 Laser diffraction
 Laser diffraction
 Merck KGaA
 USP or EP or JP

SPECS

Conforms
 36.0 -50.0
 4.0 -10.0
 46.0 -54.0
 7.0 -10.0
 Conforms
 18.0 -25.0
 <=0.5

RESULTS

Conforms
 46.6 %
 5.4 %
 48.0 %
 9.4
 Conforms
 23.2 µ
 <= 0.5 %

Microbial Purity

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	< 1 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.
 This document has been produced electronically and bears no signature

* Calculated by Difference

QC Specialist, Methods Development