



TKB Trading, LLC

Certificate of Analysis (Representative Sample)

TKB TRADING, LLC
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**Colorona Dark Blue
COSMETIC PIGMENT**

ANALYTICAL DATA

Color and Appearance
Content of Mica *
Content of TiO₂
Ferric Ferrocyanide
Particle size distribution
(80% within 10-60 μm)
Median particle size (D50)
pH (10 % 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
43.0 -57.0
40.0 -48.0
3.0 -9.0
Conforms
18.0 -25.0
4.0 -7.0
<=1.0

RESULTS

Conforms
47.6 %
46.0 %
6.4 %
Conforms
22.6 μ
4.3
<= 1.0 %

Microbial Purity

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

USP or EP or JP

< 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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