



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

Product Name	BISHOP VIOLET	Issue Date:	N/A
Lot Number	Not available (data may vary slightly with different lots or batches)		
Date of Manufacture	N/A	Expiration Date:	N/A

ANALYTICAL DATA

Color and Appearance
 Content of Mica *
 Content of TiO2
 Content of Carmine
 pH (10 % 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
 Merck KGaA
 Merck KGaA
 Merck KGaA
 ISO 787-9
 Laser diffraction
 Laser diffraction
 Merck KGaA

SPECS

Conforms
 50.0 -58.0
 41.0 -48.0
 1.0 -2.0
 6.0 -10.0
 Conforms
 18.0 -25.0
 </=0.8

RESULTS

Conforms
 53.2 %
 45.3 %
 1.5 %
 8.1
 Conforms
 23.1 µ
 </= 0.8 %

Microbial Purity.

Total Viable Acrobic 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				

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

QC Specialist, Methods Development