



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 TiO<sub>2</sub>  
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  
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ISO 787-9  
Laser diffraction  
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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 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				

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