



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

Product Name: ~~Black Mica~~

Product Number: KB-201

Batch Number: Not Available ( data may vary slightly with different lots and batches

	Spec. Values		Batch Values	
Assay (Mica)	36.0 - 50.0	%	47.3	%
Assay (TiO <sub>2</sub> )	4.0 - 10.0	%	5.3	%
Assay (Fe <sub>2</sub> O <sub>4</sub> )	46.0 - 54.0	%	47.4	%
Particle Size Distribution (80% within the range 10.0 - 60.0 µm)	conforms		conforms	
Particle Size (d50)	18.0 - 25.0	µm	23.8	µm
Screening Test (< 0.150 mm)	conforms		conforms	
pH (10% aqueous suspension)	7.0 - 10.0		9.4	
Loss on Drying (105 °C)	≤ 0.5	%	≤ 0.5	%
Heavy metals (As)	≤ 0.0002	%	≤ 0.0002	%
Heavy metals (Ba)	≤ 0.0050	%	≤ 0.0050	%
Heavy metals (Cd)	≤ 0.0003	%	≤ 0.0003	%
Heavy metals (Cr)	≤ 0.0100	%	≤ 0.0100	%
Heavy metals (Cu)	≤ 0.0050	%	≤ 0.0050	%
Heavy metals (Hg)	≤ 0.0001	%	≤ 0.0001	%
Heavy metals (Ni)	≤ 0.0010	%	≤ 0.0010	%
Heavy metals (Pb)	≤ 0.0010	%	≤ 0.0010	%
Heavy metals (Sb)	≤ 0.0001	%	≤ 0.0001	%
Heavy metals (Zn)	≤ 0.0050	%	≤ 0.0050	%
Visual and Colorimetric Evaluation	conforms		conforms	
Microbial Purity (Total Viable Aerobic Count)	≤ 1•10 <sup>2</sup>	CFU/g	≤ 1•10 <sup>2</sup>	CFU/g
Gram negative bacteria	absent in 1 g		passes test	
E.coli	absent in 1 g		passes test	
Pseudomonas aeruginosa	absent in 1 g		passes test	
Staphylococcus aureus	absent in 1 g		passes test	
Salmonella species	absent in 10 g		passes test	
Candida albicans	absent in 1 g		passes test	

Colour-Index (TiO<sub>2</sub>): C.I.No. 77891, Colour-Index (Mica): C.I.No.77019, Colour-Index (Fe<sub>2</sub>O<sub>4</sub>): C.I.No. 77499  
 This article meets the purity requirements in USA, Japan and European Union for cosmetic ingredients.