



## Certificate of Analysis (Representative Sample Certificate)

**TKB Trading**  
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Batch **N/A**      Purple Sparks

	Spec. Values		Batch Values		Method
Assay (Calcium-Aluminium Borosilicate)	59.0 - 77.0	%	71.0	%	In-house
Assay (TiO <sub>2</sub> )	22.0 - 32.0	%	24.8	%	In-house
Assay (SiO <sub>2</sub> )	1.0 - 8.0	%	3.5	%	In-house
Assay (SnO <sub>2</sub> )	≤ 1.0	%	0.7	%	In-house
Particle Size Distribution (80% within the range 20.0-200.0 μm)	conforms		conforms		laser diffraction
Particle Size (d50)	75.0 - 95.0	μm	86.3	μm	laser diffraction
pH (10% aqueous suspension)	8.0 - 11.0		10.4		ISO 787-9
Loss on Drying (105 °C)	≤ 1.0	%	≤ 1.0	%	ISO 787-2
Visual and Colorimetric Evaluation	conforms		conforms		In-house
Microbial Purity (Total Viable Aerobic Count)	≤ 1•10 <sup>2</sup>	CFU/g	≤ 1•10 <sup>2</sup>	CFU/g	USP, Ph.Eur.
Gram negative bacteria	absent in 1 g		passes test		USP, Ph.Eur.
E.coli	absent in 1 g		passes test		USP, Ph.Eur.
Pseudomonas aeruginosa	absent in 1 g		passes test		USP, Ph.Eur.
Staphylococcus aureus	absent in 1 g		passes test		USP, Ph.Eur.
Salmonella species	absent in 10 g		passes test		USP, Ph.Eur.
Candida albicans	absent in 1 g		passes test		USP, Ph.Eur.
Heavy metals (As)	≤ 1	ppm	≤ 1	ppm	HCl-Extract /internal
Heavy metals (Ba)	≤ 50	ppm	≤ 50	ppm	HCl-Extract /internal
Heavy metals (Cd)	≤ 1	ppm	≤ 1	ppm	HCl-Extract /internal
Heavy metals (Cr)	≤ 20	ppm	≤ 20	ppm	HCl-Extract /internal
Heavy metals (Cu)	≤ 5	ppm	≤ 5	ppm	HCl-Extract /internal
Heavy metals (Hg)	≤ 1	ppm	≤ 1	ppm	HCl-Extract /internal
Heavy metals (Ni)	≤ 10	ppm	≤ 10	ppm	HCl-Extract /internal
Heavy metals (Pb)	≤ 5	ppm	≤ 5	ppm	HCl-Extract /internal
Heavy metals (Sb)	≤ 1	ppm	≤ 1	ppm	HCl-Extract /internal
Heavy metals (As)			< 1	ppm	ISO 21392
Heavy metals (Ba)			1	ppm	ISO 21392
Heavy metals (Cd)			< 1	ppm	ISO 21392
Heavy metals (Co)			< 1	ppm	ISO 21392
Heavy metals (Cr)			4	ppm	ISO 21392
Heavy metals (Cu)			< 1	ppm	ISO 21392
Heavy metals (Hg)			< 1	ppm	ISO 21392
Heavy metals (Ni)			4	ppm	ISO 21392
Heavy metals (Pb)			< 1	ppm	ISO 21392
Heavy metals (Sb)			< 1	ppm	ISO 21392
Heavy metals (Se)			< 5	ppm	ISO 21392

Please note that the Heavy Metal data by ISO 21392 provided in this table is for information only and not part of the product specification and/or neither subject of any warranty obligations for the Product.

Color-Index (TiO<sub>2</sub>): C.I.No. 77891

The product meets the purity requirements in USA, Japan, China and European Union for cosmetic colorants.

This product is intended for use in cosmetic applications only – customer is responsible to check/confirm suitability for intended usage/ purpose.

Manufactured and released by TKBTrading