

Certificate of Analysis

Name Purple Sparks
 Batch/Lot N/A

	Spec. Values		Batch Values		Method
Assay (Calcium-Aluminium Borosilicate)	59.0 - 77.0	%	73.2	%	In-house
Assay (TiO ₂)	22.0 - 32.0	%	22.6	%	In-house
Assay (SiO ₂)	1.0 - 8.0	%	3.5	%	In-house
Assay (SnO ₂)	≤ 1.0	%	0.7	%	In-house
Loss on Drying (105°C)	≤ 1.0	%	≤ 1.0	%	ISO 787-2
pH (10% aqueous suspension)	8.0 - 11.0		10.4		ISO 787-9
Particle Size Distribution (80% within the range 20-200.0 µm)	conforms		conforms		laser diffraction
Particle Size (d50)	75.0 - 95.0	µm	81.6	µm	laser diffraction
Visual and Colorimetric Evaluation	conforms		conforms		In-house
Heavy metals (As)	≤ 0.0002	%	≤ 0.0002	%	mod.PCPC/int.methods
Heavy metals (Ba)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Cd)	≤ 0.0003	%	≤ 0.0003	%	mod.PCPC/int.methods
Heavy metals (Cr)	≤ 0.0100	%	≤ 0.0100	%	mod.PCPC/int.methods
Heavy metals (Cu)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Heavy metals (Hg)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Heavy metals (Ni)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Pb)	≤ 0.0010	%	≤ 0.0010	%	mod.PCPC/int.methods
Heavy metals (Sb)	≤ 0.0001	%	≤ 0.0001	%	mod.PCPC/int.methods
Microbial Purity (Total Viable Aerobic Count)	≤ 1•10 ²	CFU/g	≤ 1•10 ²	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

Color-Index (TiO₂), C.I.No. 77891, Color-Index (SnO₂): C.I.No. 77861
 This article meets the purity requirements in USA, Japan and European Union for cosmetic ingredients.

Date of release (DD.MM.YYYY) N/A
 Maximum shelf life (DD.MM.YYYY) N/A

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