

Certificate of analysis

(Representative Sample Certificate)



Product identifier: Bishop's Violet

	Spec. Values		Batch Values		Method
Assay (Mica)	50.0 - 58.0	%	54.1	%	In-house
Assay (TiO ₂)	41.0 - 48.0	%	44.8	%	In-house
Assay (carmine)	1.0 - 2.0	%	1.1	%	In-house
Particle Size Distribution (80% within the range 10.0 - 60.0 µm)	conforms		conforms		laser diffraction
Particle Size (d50)	18.0 - 25.0	µm	24.5	µm	laser diffraction
Screening Test (< 0.150 mm)	conforms		conforms		In-house
pH (10% aqueous suspension)	6.0 - 10.0		8.0		ISO 787-9
Loss on Drying (105 °C)	≤ 0.8	%	≤ 0.8	%	ISO 787-2
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
Heavy metals (Zn)	≤ 0.0050	%	≤ 0.0050	%	mod.PCPC/int.methods
Visual and Colorimetric Evaluation	conforms		conforms		In-house
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 (Mica): C.I.No. 77019, Color-Index (TiO₂): C.I.No. 77891, Color-Index (Carmine): C.I.No. 75470

This article meets the purity requirements in USA, Japan and European Union for cosmetic ingredients.

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Minimum shelf life (DD.MM.YYYY) 31.10.2025

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