

# Certificate of analysis

( Representative Sample Certificate )



**Product identifier: BLACKSTAR GREEN**

	Spec. values		Batch values		Method
Assay (Fe <sub>3</sub> O <sub>4</sub> )	56.0- 64.0	%	60.5	%	Inhouse
Assay (Mica)	36.0- 44.0	%	39.5	%	Inhouse
Particle Size Distribution	80% within the range 10.0-60.0µm		conforms		Laser Diffraction
Particle Size (d <sub>50</sub> )	18.0- 25.0	µm	21.9	µm	Laser Diffraction
Screening Test (<0.150 mm)	conforms		conforms		Inhouse
pH (10% aqueous suspension)	5.0- 9.0		7.2		ISO 787-9
Loss on Drying (105°C)	≤ 0.5	%	≤ 0.1	%	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	%	≤ 0.0010	%	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		Inhouse
Microbial Purity (Total Viable Aerobic Count)	≤ 100	CFU/g	≤ 100	CFU/g	USP, Ph.Eur., JP
Gram negative bacteria	absent in 1g		passes test		USP, Ph.Eur., JP
E.coli	absent in 1g		passes test		USP, Ph.Eur., JP
Pseudomonas aeruginosa	absent in 1g		passes test		USP, Ph.Eur., JP
Staphylococcus aureus	absent in 1g		passes test		USP, Ph.Eur., JP
Salmonella species	absent in 10g		passes test		USP, Ph.Eur., JP
Candida albicans	absent in 1g		passes test		USP, Ph.Eur., JP

Colour-Index (Fe<sub>3</sub>O<sub>4</sub>): C.I.No. 77499

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

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