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Certificate of Analysis

Product Name **BLACKSTAR GREEN**

	Spec. Values		Batch Values		Method
Assay (Mica)	36.0 - 44.0	%	42.9	%	Inhouse
Assay (Fe_3O_4)	56.0 - 64.0	%	57.1	%	Inhouse
Particle Size Distribution	80% within the range 10.0 - 60.0	µm	conforms		Laser Diffraction
Particle Size (d50)	18.0 - 25.0	µm	21.2	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	%	≤ 0.5	%	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 1 g		passes test		USP, Ph.Eur., JP
E.coli	absent in 1 g		passes test		USP, Ph.Eur., JP
Pseudomonas aeruginosa	absent in 1 g		passes test		USP, Ph.Eur., JP
Staphylococcus aureus	absent in 1 g		passes test		USP, Ph.Eur., JP
Salmonella species	absent in 10 g		passes test		USP, Ph.Eur., JP
Candida albicans	absent in 1 g		passes test		USP, Ph.Eur., JP

Colour-Index (Fe_3O_4): C.I.No. 77499

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

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