



**Certificate of Analysis
(Representative Sample Certificate)**

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Batch N/A Blackstar Gold

	Spec. values		Batch values		Method
Assay (Fe3O4)	40.0- 48.0	%	41.8	%	Inhouse
Assay (Mica)	52.0- 60.0	%	58.2	%	Inhouse
Particle Size Distribution	80% within the range 10.0-60.0µm		conforms		Laser Diffraction
Particle Size (d50)	18.0- 25.0	µm	22.9	µm	Laser Diffraction
Screening Test (<0.150 mm)	conforms		conforms		Inhouse
pH (10% aqueous suspension)	6.0- 10.0		8.9		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 (Fe3O4): C.I.No. 77499

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.