

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

Product Name **BLACKSTAR RED**  
 Batch Not available (data may vary slightly with different lots or batches)

	Spec. Values	Batch Values	Method
Assay (Mica)	44.0 - 52.0 %	49.6 %	Inhouse
Assay (Fe <sub>3</sub> O <sub>4</sub> )	48.0 - 56.0 %	50.4 %	Inhouse
Particle Size Distribution	80% within the range	conforms	Laser Diffraction
	10.0 - 60.0 µm		
Particle Size (d50)	18.0 - 25.0 µm	21.5 µm	Laser Diffraction
Screening Test (< 0.150 mm)	conforms	conforms	Inhouse
pH (10% aqueous suspension)	6.0 - 10.0	8.5	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	≤ 100 CFU/g	≤ 100 CFU/g	USP, Ph.Eur., JP
(Total Viable Aerobic Count)			
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<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.

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

responsible laboratory manager quality control

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