

Certificate of Analysis (Representative Sample Certificate)

Product Number
Batch #

AUSTRALIAN AMBER
Not Available (data may vary slightly with different lots or batches)

	Spec. values		Batch values		Method
Assay (Mica)	48.0- 65.0	%	57.4	%	Inhouse
Assay (TiO ₂)	2.0- 6.0	%	3.7	%	Inhouse
Assay (Fe ₂ O ₃ & Fe ₃ O ₄)	33.0- 46.0	%	38.9	%	Inhouse
pH (10 % aqueous suspension)	6.0- 10.0		8.1		ISO 787-9
Particle Size Distribution	80% within the range 10.0-60.0µm		Conforms		Laser Diffraction
Particle Size (d ₅₀)	18.0- 25.0	µm	21.3	µm	Laser Diffraction
Screening Test (< 0.150 mm)	Conforms		Conforms		Inhouse
Loss on Drying (105°C)	≤ 0.5	%	≤ 0.5	%	ISO 787-2
Visual and Colorimetric Evaluation	Conforms		Conforms		Inhouse
Heavy metals (As)	≤ 0.0002	%	≤ 0.0002	%	mod.CTFA/int.methods
Heavy metals (Ba)	≤ 0.0050	%	≤ 0.0050	%	mod.CTFA/int.methods
Heavy metals (Cd)	≤ 0.0003	%	≤ 0.0003	%	mod.CTFA/int.methods
Heavy metals (Cr)	≤ 0.0100	%	≤ 0.0100	%	mod.CTFA/int.methods
Heavy metals (Cu)	≤ 0.0050	%	≤ 0.0050	%	mod.CTFA/int.methods
Heavy metals (Hg)	≤ 0.0001	%	≤ 0.0001	%	mod.CTFA/int.methods
Heavy metals (Ni)	≤ 0.0010	%	≤ 0.0010	%	mod.CTFA/int.methods
Heavy metals (Pb)	≤ 0.0010	%	≤ 0.0010	%	mod.CTFA/int.methods
Heavy metals (Sb)	≤ 0.0001	%	≤ 0.0001	%	mod.CTFA/int.methods
Heavy metals (Zn)	≤ 0.0050	%	≤ 0.0050	%	mod.CTFA/int.methods
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 (TiO₂): C.I.No. 77891, Colour-Index (Fe₃O₄): C.I.No. 77499, Colour-Index (Fe₂O₃):C.I.No. 77491

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

Date of release(DD.MM.YYYY): 06.10.2017

Minimum shelf life(DD.MM.YYYY): 30.09.2027

This document has been produced electronically and is valid without signature.