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Certificate of Analysis (Representative Sample Certificate)

AUSTRALIAN AMBER

COSMETIC PIGMENT

Lot Number Not available (data may vary slightly with different lots or batches)

Date of Manufacture N/a Expiration Date N/a

ANALYTICAL DATA	SOP's	SPECS	RESULTS
Color and Appearance Content of Mica		Conforms	Conforms
Content of TiO ₂		48.0 -65.0	54.0%
Content of Fe ₂ O ₃ and Fe ₃ O ₄		2.0 -6.0	6.0%
pH (10% Suspension)		33.0 -46.0	39.8%
Particle size distribution (50% within 10-60 μm) Median particle size (D50)	ISO 787-9 Laser diffraction	6.0 -10.0	8.1
Loss on Drying (2 hrs, 105 degrees C)	Laser diffraction: ASTM 1208-96	18.0 -25.0 ≤0.5	20.9 μ 0.0%

Microbial Purity

Total Viable Aerobic Count	USP or JP	< 100 CFU/g
<i>E. coli</i>		Absent in 1g
<i>Pseudomonas aeruginosa</i>		Absent in 1g
<i>Staphylococcus aureus</i>		Absent in 1g
Soil: <i>Ornithin</i> species		Absent in 10g
Gram negative bacteria		Absent in 1g
<i>Candida albicans</i>		Absent in 1g

Heavy Metals

Modified CTFE/Internal			
Arsenic < 2 ppm	Barium < 50 ppm	Cadmium < 3 ppm	
Chromium < 100 ppm	Copper < 50 ppm	Mercury < 1 ppm	
Nickel < 10 ppm	Lead < 10 ppm	Antimony < 1 ppm	
Zinc < 50 ppm			

The color additives in this material meet all applicable purity requirements of the FDA (21 - CFR), the E.C. and Japan for cosmetic use.
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* Calculated by Difference