



# Certificate of Analysis (Representative Sample)

Extender White  
 COSMETIC PIGMENT

Product Code                    KJ-303

Lot Number

Date of Manufacture

Expiration Date:

**ANALYTICAL DATA**

**SOP's**

**SPECS**

**RESULTS**

Color and Appearance	Merck Japan	Conforms	Conforms
Content of Mica *	Merck Japan	54.0 -59.0	57.7 %
Content of TiO2	Merck Japan	41.0 -46.0	42.3 %
Particle size distribution (80% < 20 µm)	Laser diffraction	Conforms	Conforms
Median particle size (D50)	Laser diffraction	3.0 -8.0	5.9 µ
pH (10% aqueous suspension)	Merck Japan	8.0 -11.0	9.6
Loss on Drying(2 hrs. 105 degrees C)	Merck Japan	< /=0.5	< /= 0.5 %

**Microbial Purity**

USP or EP or JP

Total Viable Aerobic Count	< 100 CFU/g
E. coli	Absent in 1g
Pseudomonas aeruginosa	Absent in 1g
Staphylococcus aureus	Absent in 1g
Salmonella species	Absent in 10g
Gram negative bacteria	Absent in 1g
Candida albicans	Absent in 1g

**Heavy Metals**

Modified CTFA/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				

This material does not contain organic colorants

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

QC Specialist, Methods Development