



**CERTIFICATION OF ANALYSIS
(Representative Sample)**

TKB TRADING, LLC
1101 9th Avenue
Oakland, CA 94606
Tel: 510-922-9027
www.tkbtrading.com

**TRAVEL TO NEPTUNE
COSMETIC PIGMENT**

Product Code KQ -101

Lot Number

Date of Manufacture

Expiration Date:

ANALYTICAL DATA

Color and Appearance
Content of Mica *
Content of SiO2
Content of TiO2
Content of SnO2
Particle Size (Lazerbeam Diffraction)
80% of Particles 10 - 60 μm
Median particle size (D50)
pH (10% aqueous suspension)
Loss on Drying(2 hrs. 105 degrees C)

SOP's

Merck KGaA
Merck KGaA
Merck KGaA
Merck KGaA
Merck KGaA
MALVERN
MALVERN
ISO 787-9
Merck KGaA

SPECS

Conforms
23.0 -42.0
29.0 -37.0
29.0 -39.0
<=1.0
Conforms
21.0 -27.0
7.0 -10.0
<=0.5

RESULTS

Conforms
35.4 %
33.0%
30.7 %
0.9 %
Conforms
24.7 μ
8.1
<= 0.5 %

Microbial Purity

USP or EP or JP

Total Viable Aerobic Count

E. coli
Pseudomonas aeruginosa
Staphylococcus aureus
Salmonella species
Gram negative bacteria
Candida albicans

< 100 CFU/g
Absent in 1g
Absent in 1g
Absent in 1g
Absent in 10g
Absent in 1g
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