

**CERTIFICATE OF ANALYSIS  
CANDURIN® PEARL EFFECT COLOR  
Red Shimmer**

<u>ANALYTICAL DATA</u>	<u>SOP's</u>	<u>SPECS</u>	<u>RESULTS</u>
Color and Appearance	Merck KGaA		Conforms
Content of Mica*	Merck KGaA	48.0 – 56.0	53.2%
Content of TiO2	Merck KGaA	44.0 – 52.0	46.8%
Particle size distribution (80% within 10-60 µm)	Laser Diffraction		Conforms
Median particle size (D50)	Laser Diffraction	18.0 – 25.0	22.5 µ
pH (10% aqueous suspension)	ISO 787-9	8.0 – 11.0	9.9
Loss on drying (2 hrs. 105°C)	Merck KGaA	</=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
Candida albicans		Absent in 1g

**Heavy Metals**

Modified CTFA/Internal

Arsenic	≤ 3 ppm	Barium	≤ 25 ppm	Cadmium	≤ 1 ppm
Chromium	≤ 100 ppm	Copper	≤ 25 ppm	Mercury	≤ 1 ppm
Nickel	≤ 50 ppm	Lead	≤ 4 ppm	Antimony	≤ 3 ppm
Zinc	≤ 25 ppm				

This article is in compliance with EU food additive regulations and conforms with 21 CFR Part 73.

\* Data based on manufacturer's document

*John*

Quality Control

