

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

<u>ANALYTICAL DATA</u>	<u>SOP's</u>	<u>SPECS</u>	<u>RESULTS</u>
Color and Appearance	EMD		Conforms
Content of Mica*	EMD	73.0 – 82.0	78.9%
Content of Red Iron Oxide	EMD	18.0 – 27.0	21.1%
Particle size distribution (80% within 10-150 µm)	Laser Diffraction		Conforms
Median particle size (D50)	Laser Diffraction	65.0 – 82.0	67.2 µ
pH (10% aqueous suspension)	ISO 787-9	6.0 – 10.0	9.1
Loss on drying (2 hrs. 105°C)	ISO 787-2	</=0.5	0.0%

<u>Microbial Purity</u>	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

<u>Heavy Metals</u>		Modified CTFA/Internal			
Arsenic	≤ 3 ppm	Barium	≤ 25 ppm	Cadmium	≤ 2 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

*Jmk*

Quality Control

