# SPECIFICATION

## ( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** COSMI 299 Shimmer Green

**Appearance:** An off-white, free flowing powder with a sparkle green reflection color.

| | INCI | Specification | CAS No. | CI No. |
|---|---|---|---|---|
| **Ingredients & Composition** | Mica | (63 ~ 67)% | 12001-26-2 | 77019 |
| | CI 77491 | (33 ~ 37)% | 13463-67-7 | 77891 |
| | Tin Oxide | (＜ 1)% | 18282-10-5 | 77861 |

| | Characteristic | Specification | Unit | Method |
|---|---|---|---|---|
| **Heavy Metals Content** | Arsenic **(As)** | <2 | ppm | ICP - OES |
| | Cadmium **(Cd)** | <3 | ppm | ICP - OES |
| | Mercury **(Hg)** | < 1 | ppm | ICP - OES |
| | Chromium **(Cr)** | < 100 | ppm | ICP - OES |
| | Lead **(Pb)** | < 10 | ppm | ICP - OES |
| | Antimony **(Sb)** | < 1 | ppm | ICP - OES |
| | Copper **(Cu)** | < 50 | ppm | ICP - OES |
| | Nickel **(Ni)** | < 10 | ppm | ICP - OES |
| | Zinc **(Zn)** | < 50 | ppm | ICP - OES |
| | Method: ICP-OES after full digestion with diluted HCl and HF solution. | | | |
| **Microbiological Test** | Total viable aerobic count | < 100 | CFU/g | Incubator + Microscope |
| | E.Coli | N.D | pcs in 1 g | Incubator + Microscope |
| | Pseudomonas aeruginosa | N.D | pcs in 1 g | Incubator + Microscope |
| | Staphylococcus aureus | N.D | pcs in 1 g | Incubator + Microscope |
| | Salmonella species | N.D | pcs in 10 g | Incubator + Microscope |
| | Gram negative bacteria | N.D | pcs in 1 g | Incubator + Microscope |
| | Candida albicans | N.D | pcs in 1 g | Incubator + Microscope |
| **Physical Properties** | Particle Size Distribution (PSD) | 80% within the range (10 ~ 100) μm | | Malvern Mastersizer 3000 |
| | D50 | (41.0 ± 3.0) μm | | Malvern Mastersizer 3000 |
| | Color | as KC STD | | Powder Color, Visual |
| | pH (10 % aqueous suspension) | 7.0 ~ 11.0 | | GB 1717 |
| | Loss on Ignition (LOI,105°Cx2hr) | ≤ 0.5 % | | GB 5211.3 |
| | Oil absorption value | (60.0 ~ 80.0) g oil / 100 g powder | | GB 5211.15 |
| | Density | (2.8 ~ 3.4) g/cm³ (water=1) | | GBT 1713 |

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