



# SPECIFICATION

( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** Diamond Series KC9815C

**Appearance:** A free flowing off white powder with excellent effect of flash diamond red.

|                                      | Chemical Name                     | Specification                           | CAS No.    | CI No.                   |
|--------------------------------------|-----------------------------------|---|------------|--------------------------|
| <b>Ingredients &amp; Composition</b> | Calcium Aluminum Borosilicate     | (90 ~ 95)%                              | 65997-17-3 | -                        |
|                                      | Titanium Oxide(TiO <sub>2</sub> ) | (5 ~ 10)%                               | 13463-67-7 | 77891                    |
|                                      | Tin Oxide (SnO <sub>2</sub> )     | (< 1)%                                  | 18282-10-5 | 77861                    |
|                                      | -                                 | -                                       | -          | -                        |
| <b>Physical Properties</b>           | Particle Size Distribution (PSD)  | 80% within the range (20 ~ 100) μm      |            | Malvern Mastersizer 3000 |
|                                      | D50                               | (52.5 ± 2.5) 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              | (50.0 ~ 80.0) g oil / 100 g powder      |            | GB 5211.15               |
|                                      | Bulk Density                      | (30.0 ~ 60.0) g/100cm <sup>3</sup>      |            | GB/T 23771               |
|                                      | Density                           | (2.8 ~ 3.4) g/cm <sup>3</sup> (water=1) |            | GBT 1713                 |

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