



# SPECIFICATION

( FUJIAN KUNCAI MATERIAL TECHNOLOGY CO. LTD. )

**Product Name:** Setallic Series KC820-M1

**Appearance:** A desert orange color, free flowing powder with a dazzling metal luster.

|                                      | Chemical Name                                    | Specification                           | CAS No.    | CI No.                   |
|--------------------------------------|--|---|------------|--------------------------|
| <b>Ingredients &amp; Composition</b> | Synthetic Fluorphlogopite                        | (44 ~ 48)%                              | 12003-38-2 | -                        |
|                                      | Iron(III) Oxide(Fe <sub>2</sub> O <sub>3</sub> ) | (52 ~ 56)%                              | 1309-37-1  | 77491                    |
|                                      | -  | -                                       | -          | -                        |
| <b>Physical Properties</b>           | Particle Size Distribution (PSD)                 | 80% within the range (10 ~ 45) μm       |            | Malvern Mastersizer 3000 |
|                                      | D50  | (22.0 ± 2.0) μm                         |            | Malvern Mastersizer 3000 |
|                                      | Color  | as KC STD                               |            | Powder Color, Visual     |
|                                      | pH (10 % aqueous suspension)                     | 4.0 ~ 7.0                               |            | GB 1717                  |
|                                      | Loss on Ignition (LOI,105°Cx2hr)                 | (≤ 0.5) %                               |            | GB 5211.3                |
|                                      | Oil absorption value                             | (45.0 ~ 75.0) g oil / 100 g powder      |            | GB 5211.15               |
|                                      | Bulk Density                                     | (30.0 ~ 50.0) g/100cm <sup>3</sup>      |            | GB/T 23771               |
|                                      | Density  | (2.8 ~ 3.4) g/cm <sup>3</sup> (water=1) |            | GBT 1713                 |