



# Specification

## GR1120 Pure-white pearl

Edition: YZ2019-01TDS

| Assays                   |                               | Values        |                           | Method            |
|--------------------------|-------------------------------|---------------|---------------------------|-------------------|
| Content                  | CAS-NO.                       | CI-NO.        |                           |                   |
| Synthetic Mica           | 12003-38-2                    |               | 60~69 wt%                 | YUNZHU            |
| TiO <sub>2</sub>         | 13463-67-7                    | 77891         | 31~39 wt%                 | YUNZHU            |
| SnO <sub>2</sub>         | 18282-10-5                    | 77861         | ≤1 wt%                    | YUNZHU            |
| <b>Visual evaluation</b> |                               |               |                           |                   |
| Color                    |                               |               | pass                      | YUNZHU            |
| Luster                   |                               |               | pass                      | YUNZHU            |
| Density                  |                               | 2.6 ~ 3.2     | g /cm <sup>3</sup>        | ISO 787-10        |
| Bulk density             |                               | 16 ~ 22       | g /100ml                  | DIN 53466         |
| Particle size            | 80 % within the range 5-25 μm |               | pass                      | Laser diffraction |
| PH – value               | 10 % aqueous slurry           |               | 5~9                       | ISO 787-9         |
| Loss on drying           | 105 °C                        |               | < 0.5 wt %                | ISO 787-2         |
| Oil absorption           |                               |               | 50 ~ 90 g oil/100g powder | ISO 787-5         |
| <b>Heavy metals</b>      |                               |               |                           |                   |
|                          |                               | Pb            | ≤ 10 ppm                  | YUNZHU            |
|                          |                               | As            | ≤ 2 ppm                   | YUNZHU            |
|                          |                               | Hg            | ≤ 1 ppm                   | YUNZHU            |
|                          |                               | Cd            | ≤ 1 ppm                   | YUNZHU            |
|                          |                               | Sb            | ≤ 2 ppm                   | YUNZHU            |
|                          |                               | Cr            | ≤ 100 ppm                 | YUNZHU            |
|                          |                               | Cu            | ≤ 50 ppm                  | YUNZHU            |
|                          |                               | Ni            | ≤ 10 ppm                  | YUNZHU            |
| <b>Microorganisms</b>    |                               |               |                           |                   |
|                          | Aerobic bacteria              | ≤ 100         | CFU /g                    | YUNZHU            |
|                          | Yeasts and moulds             | ≤ 100         | CFU /g                    | YUNZHU            |
|                          | Gram negative bacteria        | absent in 1 g |                           | YUNZHU            |
|                          | Staphylococcus aureus         | absent in 1 g |                           | YUNZHU            |

**Note:** This colorant conforms to the regulations 1223/2009, EU231/2012 and FDA 21 CFR 73.

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