



Specification

GR099 Shimmer Purplish Red

Edition: YZ2019-01TDS

| Assays | | | Values | | Method |
|------------------|------------|-------------------------------|--------|-----|--------|
| Content | CAS-NO. | INCI Name | | | |
| Sheet Glass | 65997-17-3 | Calcium Aluminum Borosilicate | 85-94 | wt% | YUNZHU |
| TiO ₂ | 13463-67-7 | CI 77891/ Titanium Dioxide | 6-12 | wt% | YUNZHU |
| SnO ₂ | 18282-10-5 | CI 77861 / Tin Oxide | ≤1 | wt% | YUNZHU |
| FD&C Red 28 | 18471-87-2 | CI 45410 / FD&C Red 28 | ≤2 | wt% | YUNZHU |
| FD&C Blue 1 | 3844-45-9 | CI 42090/ FD&C Blue 1 | ≤0.5 | wt% | YUNZHU |

Visual evaluation

| | | | | |
|----------------|---------------------------------|---------------------------|--------------------|-------------------|
| Color | | pass | | YUNZHU |
| Luster | | pass | | YUNZHU |
| Density | | 2.2~ 3.0 | g /cm ³ | ISO 787-10 |
| Bulk density | | 22 ~ 30 | g /100ml | DIN 53466 |
| Particle size | 80 % within the range 50-300 μm | pass | | Laser diffraction |
| PH – value | 10 % aqueous slurry | 6~11 | | ISO 787-9 |
| Oil absorption | | 30 ~ 80 g oil/100g powder | | ISO 787-5 |
| Heavy metals | | | | |
| | 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 |

Microorganisms

| | | | |
|------------------------|---------------|--------|--------|
| 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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