

# TECHNICAL DATA SHEET

## IRON OXIDE

### Specification:

| Items                         | Red101  | Red110  | Red130  | Red190  | Yellow311 | Yellow313 |
|-------------------------------|---------|---------|---------|---------|-----------|-----------|
| Content ≥%                    | 94      | 94      | 95      | 95      | 86        | 86        |
| Moisture (105°C)≤%            | 1.0     | 1.0     | 1.0     | 1.0     | 1.0       | 1.0       |
| Water Soluble %(M/M) ≤        | 0.3     | 0.3     | 0.3     | 0.5     | 0.3       | 0.3       |
| pH value                      | 5-7     | 5-7     | 5-7     | 5-7     | 4-6       | 4-6       |
| Oil Absorption %              | 15-25   | 15-25   | 15-25   | 15-25   | 25-35     | 25-35     |
| Residue (325mesh)%            | 0.3-0.5 | 0.3-0.5 | 0.3-0.5 | 0.3-0.5 | 0.3-0.5   | 0.3-0.5   |
| Density (g/cm <sup>3</sup> )≤ | 5.0     | 5.0     | 5.0     | 5.0     | 4.0-4.3   | 4.0-4.3   |
| Tinting Strength %            | 95-105  | 95-105  | 95-105  | 95-105  | 95-105    | 95-105    |
| Heating Loss<br>1000°C/0.5h≤% | 4.0     | 4.0     | 4.0     | 4.0     | 17        | 17        |

### Application:

- 1) iron oxide pigment used in many types of paints, including anti-rust paint, water-soluble indoor/outdoor paints and oil-based paints.
- 2) iron oxide pigment used for dyeing construction materials, such as mosaic bricks, for concrete bricks, pavement, colorful tiles, roofing tiles and man-made marble. Colors for ceramic body.
- 3) iron oxide pigment used in paper industry, esp. rice paper.
- 4) iron oxide pigment used for surface coloration of plastic epoxy floor, color for pitch.
- 5) iron oxide pigment used as a more fade-resistant dye for plastics.
- 6) Pigment for Cosmetic.
- 7) Coloring Sugar-coat for medicine tablets.