



HUZHOU CHIMIQUE IMP. & EXP. CO., LTD.

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TECHNICAL DATA

| | | | | |
|--------------------------------|---|-------------------|----------|----------------------|
| Product name | Iron oxide red 180 | | | |
| Chemical name | Diiron trioxide (Fe ₂ O ₃ ·αH ₂ O) | | | |
| Delivery form | Powder | | | |
| Color index | Pigment red 101 (77491) | | | |
| CAS No./EC No. | 1309-37-1/215-168-2 | | | |
| Specifications | Contents (Fe ₂ O ₃ · α H ₂ O) | % | ≥96 | ISO1248 |
| | Oil absorption | ml/100g | 15~25 | ISO787-5 |
| | Res. on 325 mesh | % | ≤0.3 | ISO787-7 |
| | Water soluble salts | % | ≤0.3 | ISO787-3 |
| | Moisture | % | ≤1.0 | ISO787-2 |
| | pH value | | 3.5~7 | ISO787-9 |
| | Ignition loss (1,000°C 1/2h) | % | ≤1.0 | DIN55913 |
| | Bulk density | g/cm ³ | 0.9~1.3 | ISO787-11 |
| | Specific gravity | g/cm ³ | 5.1 | ISO787-10 |
| | Particle size BET | μm | 0.6 | Electron Micrographs |
| | Dispersibility (Hegman) | μm | 20/25/30 | ISO787-20 |
| | Tinting Strength (Compared with Standard) | % | 95~105 | ISO787-24 |
| | Color Difference ΔE (Compared with Standard) | | ≤0.8 | ISO787-1 |
| Sales packing | In 25kgs paper bag / 1000kg jumbo bag with palletized | | | |
| Transport & Storage | Protect against weathering / Store in a dry place | | | |
| Safety | The product is not classified as dangerous under 67/548/EC. | | | |