



升华集团德清华源颜料有限公司
SHENGHUA GROUP DEQING HUAYUAN
PIGMENT CO., LTD.



TECHNICAL DATA

Edition of: 2010-12-8

| | | | | |
|--------------------------------|--|-------------------|----------|----------------------|
| Trade name | Iron oxide red | | | |
| Type | 180 | | | |
| REACH | Registration No. 01-2119457614-35-0043 | | | |
| Chemical name | Diiron trioxide (Fe ₂ O ₃ · α H ₂ O) | | | |
| Delivery form | Powder | | | |
| Colour 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 | | 3~7 | ISO787-9 |
| | Ignition loss (1,000°C, ½ h) | % | ≤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) | | ≤1.0 | ISO787-1 |
| Sales packing | In 25kg paper bag/1000kg bulk bag then palletized | | | |
| Transport & Storage | Protect against weathering / Store in a dry place | | | |
| Safety | The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008 | | | |

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