



**东凯实业**  
TONGCHEM

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## Iron Oxide Yellow 313

### Product Data

**Iron oxide Yellow 313** is an inert, non-toxic and high-quality inorganic pigment produced by mixed acid process. Due to the stable chemical composition and structure, it is insoluble in water and diluted acids, resistant to acid, lime and alkaline as well as absolutely weather and light stable.

#### Specifications

|                   |  |
|-------------------|--|
| Appearance:       | Yellow pigment                                   |
| Delivery Form:    | Powder   |
| Chemical Formula: | $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$ |
| Color Index:      | Pigment Yellow 42(77492)                         |
| CAS No. :         | 20344-49-4 , 51274-00-1                          |

#### Technical Data

|                                 |           |
|---------------------------------|-----------|
| $\text{Fe}_2\text{O}_3$ content | 86.0% min |
| Tinting strength                | 95-105%   |
| Color Shade( $\Delta E$ )       | 1.0 max   |
| Sieve Residue(0.045mm)          | 0.3% max  |
| Moisture (After Production)     | 1.0% max  |
| Oil absorption (g/100g)         | 25-35     |
| pH value                        | 3.0-7.0   |
| Water soluble                   | 0.3% max  |

#### Applications

**Iron oxide Yellow 313** is characterized by its good opacity, high tinting strength, outstanding light fastness, strong absorption of ultraviolet light and fine dispersing, which make it widely used as colorant for cement products and paintings.

#### Main uses

- Coatings
- Construction
- Plastic
- Rubber

#### Packaging & storage

20kgs/ 25kg bag with pallet, wrapped and shrank 600kgs jumbo bags with pallet.

Keep it in cool, dry and clean conditions in its original packing, and avoiding direct sunshine. Opened sacks should be used promptly to avoid the moisture absorption.

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AUTHORIZED SIGNATURE

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