

## Jinan Yuxing Titanium Dioxide R868 For Paint

### **Titanium Dioxide Description:**

Titanium Dioxide R868 adopts the sulfuric acid method production process. It is a rutile white powder coated with inorganic aluminum and organically surface treated. It has excellent optical properties, excellent whiteness and gloss, low oil absorption, good hiding power and weather resistance, and easy to disperse.

### **Titanium Dioxide Specification:**

Properties	Indicator
TiO <sub>2</sub> mass fraction (percentage)	93
Mass fraction, 105° C, volatile (percentage)	0.8
Mass fraction, water-soluble (percentage)	0.5
Mass fraction (45μm) sieve residue (percentage)	0.055
Color (based on standard sample)	No less than
Achromatic power (based on standard sample, percentage ≥)	112
Aqueous suspension, pH value	7.0-8.8
Oil absorption (g/100g ≤)	19
Resistivity of water extract (Ω m ≥)	50
Mass fraction, 105 ° C volatile, 24 hours after pretreatment at 23±2 ° C, with relative humidity of 50±5 percent ≤	1
Rutile conversion rate (percentage ≥)	97.5
Average particle diameter (μm)	0.22-0.28
Al <sub>2</sub> O <sub>3</sub> aluminum coating amount %	3.2-4.0
Organics	Exist

## Rutile Titanium Dioxide (R868)

### **Product Description:**

**R868** is Rutile TiO<sub>2</sub> pigment which is organic surface treated with inorganic Zr, Al surface coating, has good whiteness, high fluidity and glossiness, good tinting strength, strong hiding power, easy to disperse etc.

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### **Technical Specifications**

Purity TiO2	≥92.0%
Color	Not lower than standard
Strength Tinting	≥108%
Oil Absorption	≤21g/100g
105°C Moisture	≤0.80%
Rutile Content	≥97.5%
The residue on mesh of 45um	≤ 0.050%
Average Particle Size	0.22-0.26um
Resistivity in water extraction liquid	≥50Ωm
PH value of suspension liquid in water	6.5-8.5