



# 南京钛白化工有限责任公司

NANJING TITANIUM DIOXIDE CHEMICAL CO., LTD.

## TECHNICAL DATA SHEET

### NR950 Rutile Titanium Dioxide

**Molecular formula** :  $\text{TiO}_2$

**Molecular weight** : 79.9

**Characters** : General purpose grade, wet ground by imported mill with good particle size distribution, densely coated with inorganic compounds of silicon oxide and alumina. Possesses excellent pigment performances.

**Quality Standard** : Q/320116 NJTB 003-2017

**Product specification** :

| Items                               |      | Specification | Typical Analysis |
|-------------------------------------|------|---------------|------------------|
| TiO <sub>2</sub> content (wt%)      | min. | 92.0          | 94.4             |
| Matter volatile at 105°C (wt%)      | max. | 0.5           | 0.4              |
| Matter soluble in water (wt%)       | max. | 0.3           | 0.1              |
| Residue on sieve (45µm) (wt%)       | max. | 0.05          | 0.02             |
| Colour ( L* )                       | min. | 95.0          | 95.5             |
| Scattering power (%)                | min. | 100           | 109              |
| pH of aqueous suspension            |      | 6.0~8.5       | 7.4              |
| Oil absorption (g/100g)             | max. | 23            | 20               |
| Resistivity of aqueous extract(Ω·m) | min. | 50            | 80               |
| Content of Rutile(%)                | min. | 98            | 99               |

**Applications:** Used for PVC pipe and profile, base coating, papermaking, master batch, road marking paint, powder coating and etc.