



南京钛白化工有限责任公司

NANJING TITANIUM DIOXIDE CHEMICAL CO.,LTD.

## TECHNICAL DATA SHEET

Titanium Dioxide Rutile NR960

**Molecular formula :** TiO<sub>2</sub>

**Molecular weight :** 79.9

**Characters :** It is a multipurpose product, wet ground by imported mill with good particle size distribution, coated with inorganic compounds of zirconium oxide and aluminum oxide.

**Quality Standard :** Q/320116 NJTB 003-2018

**Version No.:** 2018.09.04

**Product specification**

| Items                               |      | Specification | Typical Analysis | Test Method            |
|-------------------------------------|------|---------------|------------------|------------------------|
| TiO <sub>2</sub> content (wt%)      | min. | 95.0          | 95.0             | GB/T 1706-2006-7.1     |
| Matter volatile at 105°C (wt%)      | max. | 0.5           | 0.3              | GB/T 5211.3-1985(2004) |
| Matter soluble in water (wt%)       | max. | 0.3           | 0.2              | GB/T 5211.2-2003       |
| Residue on sieve (45µm) (wt%)       | max. | 0.05          | 0.02             | GB/T 5211.18-2015      |
| Colour ( L * )                      | min. | 94.5          | 95.5             | GB/T 1864-2012         |
| Scattering power (%)                | min. | 100           | 110              | GB/T 1706-2006-7.6     |
| pH of aqueous suspension            |      | 5.5~7.5       | 6.5              | GB/T 1717-1986(2004)   |
| Oil absorption (g/100g)             | max. | 21            | 18               | GB/T 5211.15-2014      |
| Resistivity of aqueous extract(Ω·m) | min. | 100           | 120              | GB/T 5211.12-2007      |
| Content of Rutile(%)                | min. | 98            | 99               | GB/T 30793-2014        |

**Applications:** Used for paint and coating with general purpose, screen printing ink.