



# 南京钛白化工有限责任公司

NANJING TITANIUM DIOXIDE CHEMICAL CO., LTD.

## TECHNICAL DATA SHEET

NR9503 Rutile Titanium Dioxide

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

**Molecular weight :** 79.9

**Characters :** The product is specialized product for water borne coating system, wet ground by imported mill and has good particle size distribution. The surfaces of product are tightly coated with inorganic compounds of silicon oxide and alumina. The product is treated by organic compounds and possesses excellent pigment performances.

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

**Product specification :**

Items		Specification	Typical Analysis
TiO <sub>2</sub> content (wt%)	min.	90.0	94.5
Matter volatile at 105°C (wt%)	max.	0.5	0.4
Matter soluble in water (wt%)	max.	0.3	0.3
Residue on sieve (45µm) (wt%)	max.	0.05	0.02
Colour ( L* )	min.	95.0	95.5
Scattering power (%)	min.	100	110
pH of aqueous suspension		6.5~8.5	7.5
Oil absorption (g/100g)	max.	26	19
Resistivity of aqueous extract(Ω·m)	min.	100	120
Content of Rutile(%)	min.	98	99

**Applications:** used in water borne coating, latex paint, water borne ink and etc.