



南京钛白化工有限责任公司

NANJING TITANIUM DIOXIDE CHEMICAL CO.,LTD.

TECHNICAL DATA SHEET

Titanium Dioxide Rutile NR9503

Molecular formula : TiO₂

Molecular weight : 79.9

Characters : Rutile Titanium Dioxide pigment produced by Sulfate process for water borne coating system. Inorganic coating SiO₂ and Al₂O₃ are applied to the surfaces. Hydrophilic organic treatment is implemented to the product and therefore possesses excellent pigment performances.

Quality Standard : Q/320116 NJTB 003-2018

Version No.: 2018.09.04

Product specification

Items		Specification	Typical Analysis	Test Method
TiO ₂ content (wt%)	min.	94.0	94.5	GB/T 1706-2006-7.1
Matter volatile at 105°C (wt%)	max.	0.5	0.4	GB/T 5211.3-1985(2004)
Matter soluble in water (wt%)	max.	0.3	0.3	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		6.5~8.5	7.5	GB/T 1717-1986(2004)
Oil absorption (g/100g)	max.	26	19	GB/T 5211.15-2014
Resistivity of aqueous extract(Ω·m)	min.	70	120	GB/T 5211.12-2007
Content of Rutile(%)	min.	98	99	GB/T 30793-2014

Applications: Used for water borne coating, latex paint, water borne ink, etc.

Standard Package: 25Kgs/bag, 1,000Kgs/pallet, 20~22MT/20'GP