



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 : 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, treated organically.

Quality Standard : Q/320116 NJTB 003-2021

Version No.: 2021.05.28

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 5211.3-2020
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	94.9	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 5211.6-2020
Oil absorption (g/100g)	max.	26	22	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.