Information:

Name:	Titanium Dioxide (TiO_2)
CAS NO.:	13463-67-7
EINECS NO.:	236-675-5
Color Index:	77891, pigment white 6
ISO591-1:2000:	R2
ASTM D476-84:	II
Appearance:	White powder
Specific gravity:	4.1 g/cm^3
Surface treatment:	alumina, silica + organic

Technical Specifications: (Standard: Q/SNBJ1-2012)

Property	R299
TiO_2 content, %	≥95.0
Rutile content, %	≥98.0
Color (compared with standard sample)	Not lower than
ΔL*(sample-standard sample)	≥-0.3
$\Delta s=(\Delta a^2+\Delta b^2)^{\wedge}0.5$	≤0.5
Matter volatile at 105°C, %	≤0.3
Matter soluble in water, %	≤0.5
Residue on sieve 45μm, %	≤0.1
PH of aqueous suspension	6.2-9.0
Brightness, %	≥97.0
Oil absorption, g/100g	≤19
Tinting strength, Reynolds number	≥1850

VOPTASCH

Results of Analysis

Item	Specs	Result
TiO_2 content (compared with standard sample)	not lower than	Better than
Color (compared with standard sample)	not lower than	not lower than
Matter volatile at 105°C, %	0.5max	0.40
Matter soluble in water, %	0.5max	0.40
Residue on sieve 45μm, %	0.1max	0.05
PH of aqueous suspension	6.5-8.5	7.8
Brightness, %	95min	95.52
Oil absorption, %	20-23	21.08
Tinting strength (compared with standard sample)	100min	105
Comment	Qualified	