

# Titanium Dioxide A1

	national standard GB1706-93 (BA01-01)			internal control specification	
	first grade	first-class	conformance	first grade	first-class
Purity TiO <sub>2</sub> , % (m/m) ≥	98	98	98	98.0	98.0
Color compare with standard	approximity	not lower than	slightly worse than	not lower than	slightly worse than
Tinting strength compare with standard, % ≥	100	100	90	100	90
Matter volatile at 105°C, % (m/m) ≤	0.5	0.5	0.5	0.5	0.5
Matter volatile at 105°C pretreated at (23±2) °C and relative humidity (50 ± 5) % for 24h, ≤	0.5	0.5	0.5	0.5	0.5
Water soluble % ≤	0.4	0.5	0.6	0.5	0.6
PH of suspension, aqueous solution retained, %	6.5-8.0	6.5-8.0	6.0-8.5	6.5-8.0	6.0-8.5
Oil absorption, g/100g ≤	22	26	28	26	28
Residue on sieve 45um, % m/m	0.05	0.10	0.30	0.10	0.30
Resistivity of aqueous extract, Ωm ≥	30	20	16	20	16
First grade ratio % ≥				95	
qualified package weight rate %				100	

