

Specification of TiO₂ Nanopowder

No.	Items	Anatase-TiO ₂	Rutile-TiO ₂
1	Appearance	White powde	
2	Content of titanium dioxide (%)	>99.5	>99
3	Impurities	Al<20ppm;Mg<65ppm;Si<90ppm;Ca<75ppm;S<150ppm;Nb<102ppm	Mg<65ppm;Si<102ppm;Ca<75ppm;Nb<119ppm;Pb<0.2ppm;Hg<0.01ppm
4	Average grain size (nm)	≤20	≤80
5	Specific surface area (m ² /g)	≥120	≥30
6	Apparent density	≤0.30	≤0.85
7	pH value of aqueous suspended matter	7-8(untreated type)	7-8(untreated type)
8	Loss of weight in drying (%)	≤0.5	≤0.5
9	Loss of weight in burning (%)	≤1.0	≤1.0