



Material

Titanium dioxide (TiO₂)

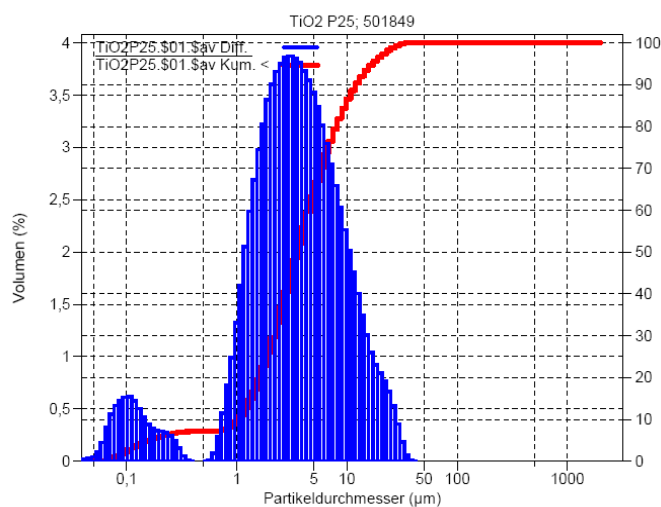
**Charge description/
NanoCare Product number** CH-000002 / CH-000003
1.2

Provider Evonik Degussa GmbH

Available form Powder

Primary particle size [d₅₀ in nm] 27.2 nm

Particle size distribution



pH 3.62

BET Surface area 52 m²/g

Particle morphology crystalline

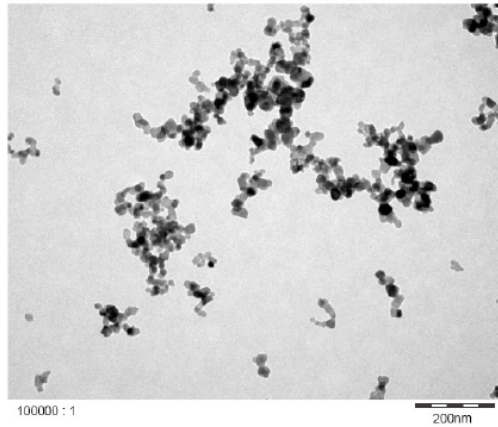
Crystal phase and crystallinity TiO₂ Tetragonal Rutile
TiO₂ Tetragonal Anatase

Stabilisation none

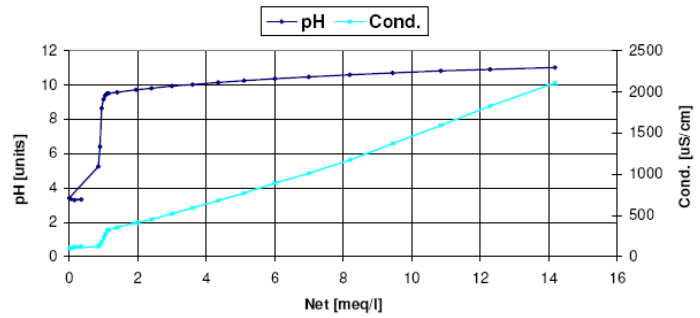
Solubility in water TiO₂ 130 ppm (µg/g)

Purity/contamination TiO₂

REM/TEM



Zeta potential



Surface area chemistry