

## Material

## TiO<sub>2</sub>\_40

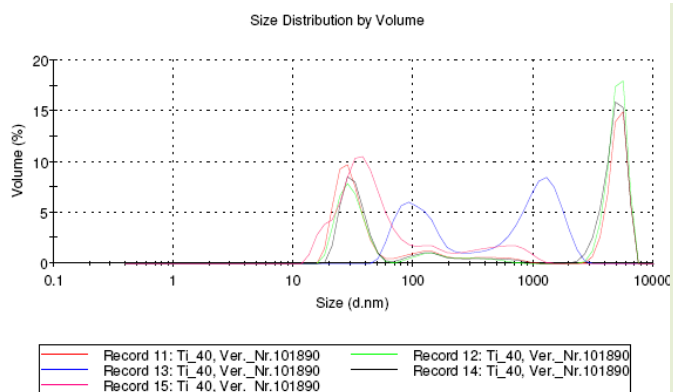
**Charge description/  
NanoCare Product number** CH-000696  
1.3

**Provider** Evonik Degussa GmbH

**Available form** Powder

**Primary particle size [d<sub>50</sub> in nm]** 42.3 nm

### Particle size distribution



**pH** 3.42

**BET Surface area** 38 m<sup>2</sup>/g

**Particle morphology** crystalline

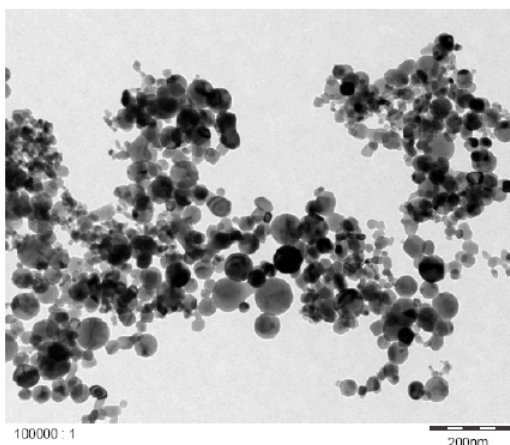
**Crystal phase and crystallinity** TiO<sub>2</sub> Tetragonal Rutile  
TiO<sub>2</sub> Tetragonal Anatase

**Stabilisation**

**Solubility in water**

**Purity/contamination** TiO<sub>2</sub>

### REM/TEM





**Zeta potential**

At pH 3.3: 49.5mV  
IEP at pH 5.8

**Surface area chemistry**