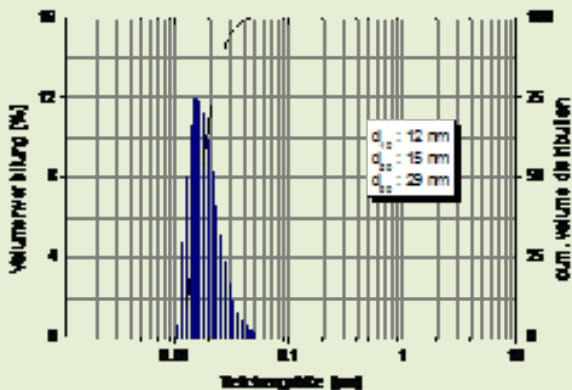
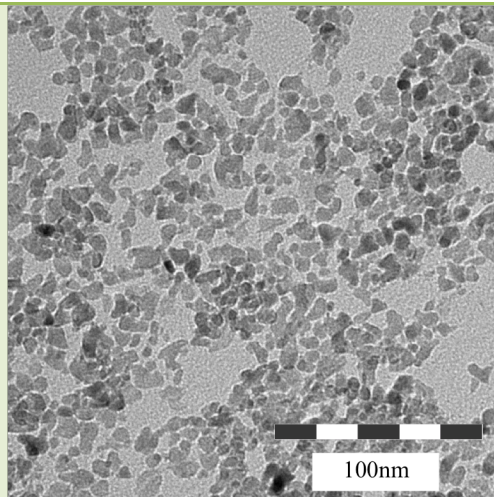


Material

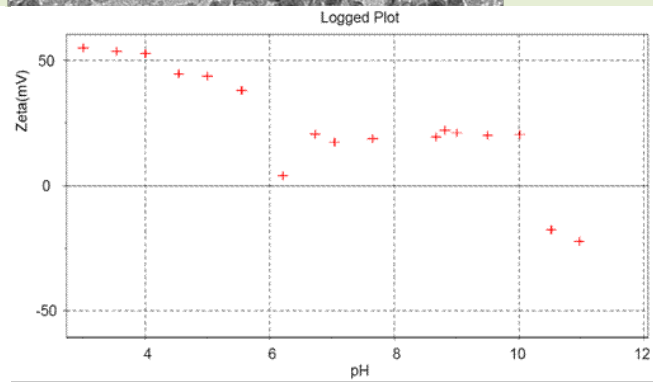
Zirconium dioxide (ZrO₂)

Charge description/ NanoCare Product number	CH-000217/421 8.1
Provider	ItN Nanovation AG
Available form	Suspension in water
Primary particle size [d₅₀ in nm]	36.8 nm
Particle size distribution	
pH	4.06 (in water)
BET Surface area	122 m ² /g
Particle morphology	Irregular spherical
Crystal phase and crystallinity	Mixed phase monocline (75%)/ tetragonal (25%)
Stabilisation	Organic Polyoxa-acid
Solubility in water	190 ppm (according to SOP)
Purity/contamination	O 60 % Zr 37 % Cl 3 %

REM/TEM



Zeta potential
(in water)



Surface area chemistry

O	55 %
Zr	21 %
C	24 %
Cl	0.6 %