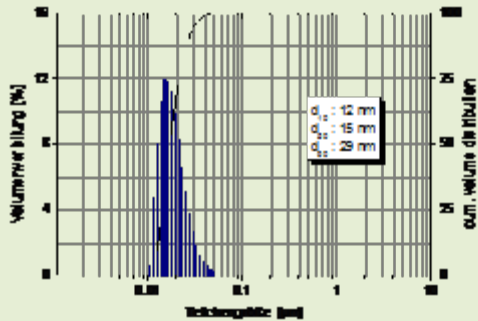
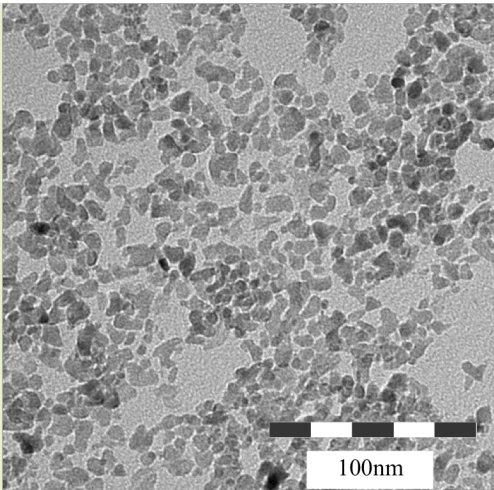
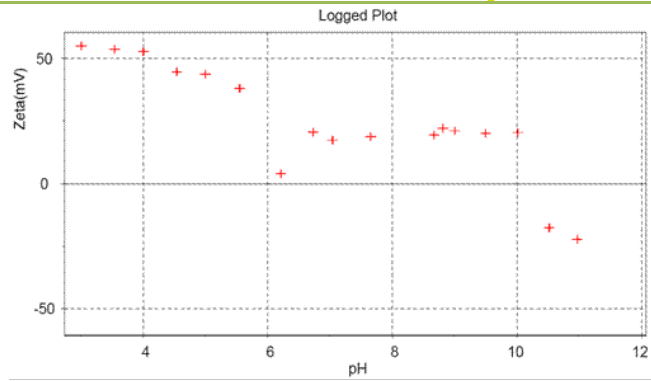


Material

Zirconium dioxide (ZrO₂)

Charge description/ NanoCare Product number	CH-000218 8.2
Provider	ItN Nanovation AG
Available form	Suspension in water
Primary particle size [d₅₀ in nm]	31.0 nm
Particle size distribution	
pH	3.68 (in water)
BET Surface area	122 m ² /g
Particle morphology	irregular spherical
Crystal phase and crystallinity	mixed phase monocline (75%)/ tetragonal (25%)
Stabilisation	Acetic acid
Solubility in water	190 ppm
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 %