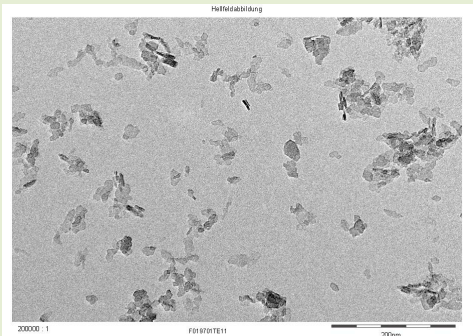
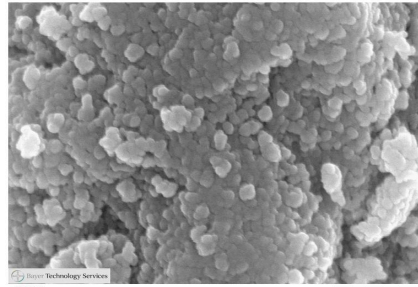


Material

Boehmite II (AlOOH)

Charge description/ NanoCare Product number	CH-000519 5.2
Provider	Bayer MaterialScience AG
Available form	Powder
Primary particle size	70 nm
Particle size distribution	<p>Partikelgrößenverteilung von AlOOH (Boehmit II) CH-000519 PR-000522 aus der Laserbeugung (DLS 2000 Hydro 5, Fraunhofer) in Wasser nach ultraschalltechnischer Ultraschallbehandlung</p>
pH	-
BET Surface area	159 m ² /g
Particle morphology	irregular spherical
Crystal phase and crystallinity	Crystalline Boehmite
Stabilisation	-
Solubility in water	-
	92,5 At. % Aluminium oxide - 7,5 At. % C
Purity/contamination	impurities using SIMS: Traces of C, Na, Mg, K, Cl, S
REM/TEM	



Zeta potential /IEP

26.4 ± 2.4 mV (in 1mmolar potassium chloride suspension)

Surface area chemistry

O	65.0 At. %
Al	32.1 At. %
C	2.0 At. %
Cl	0.9 At. %