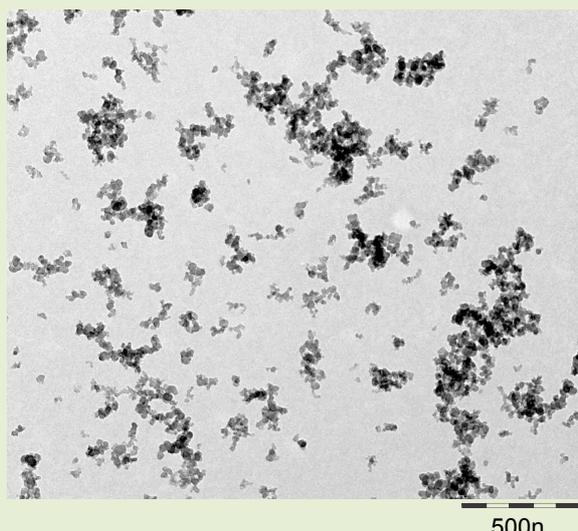


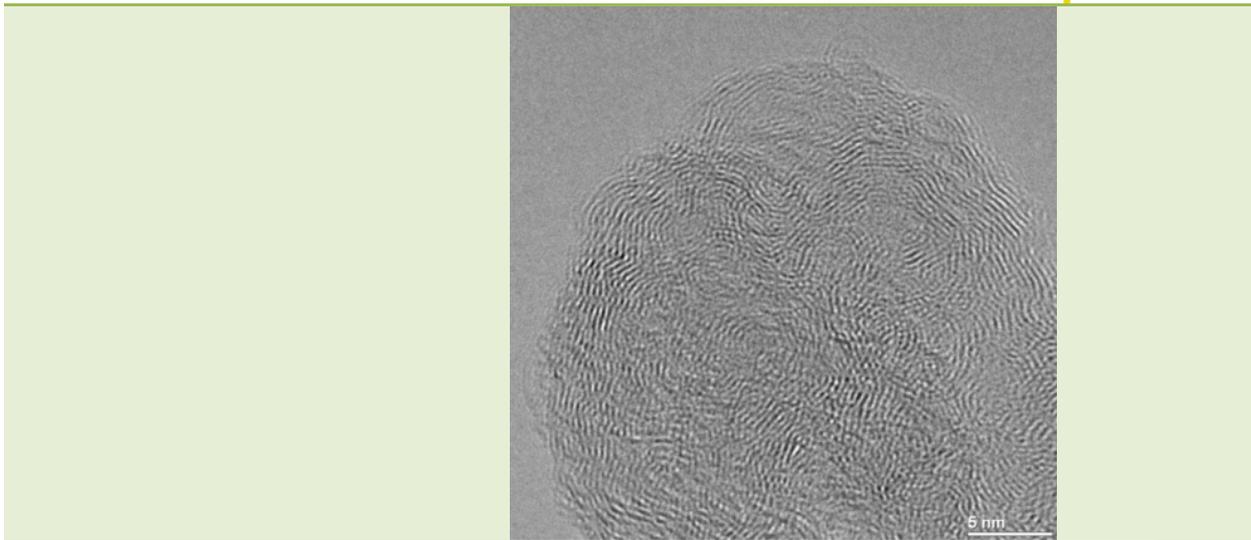
Material

Carbon Black

Charge description / NanoCare product number	CH-000122 2
Provider	Evonik Degussa
Available form	Powder
Primary particle size [d₉₀ in nm]	16 nm
Particle size distribution	7 – 43 nm
pH	-
BET Surface area	339 +/-6 m ² /g
Particle morphology	Primary particles are connected by chemical bond and form large solid aggregates, because of Van-der Waals-Forces aggregates form micrometer sized agglomerates
Crystal phase and crystallinity	-
Stabilisation	-
Solubility in water	-
Purity/contamination	-

TEM-micrograph of a Carbon Black dispersion after destruction of the agglomerate structure by sonication

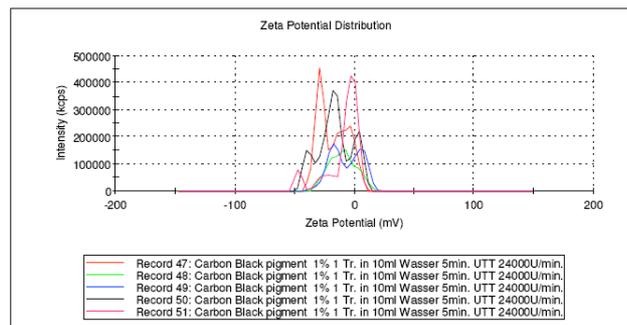




Results

	Mean (mV)	Area (%)	Width (mV)
Zeta Potential (mV): -9,66	Peak 1: -1,67	73,9	4,05
Zeta Deviation (mV): 14,5	Peak 2: -22,8	16,7	5,94
Conductivity (mS/cm): 0,0198	Peak 3: -47,1	9,3	2,97

Zeta potential (in water)



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