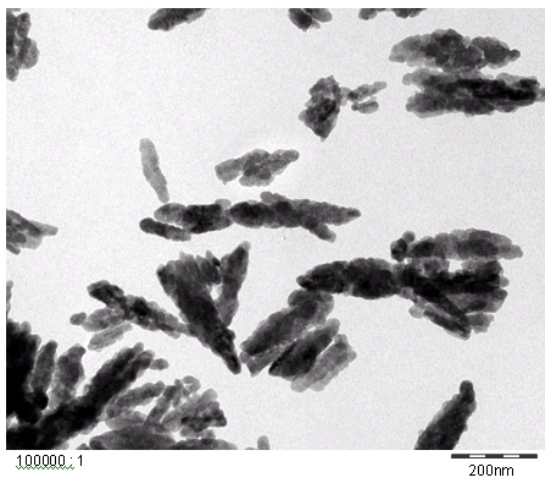


Material

Strontium carbonate (SrCO_3)

NanoCare Product number	11.2
Charge description	CH-000439
Provider	Solvay Infra Bad Hönningen GmbH
Available form	Powder (hydrophobic)
Primary particle size (XRD)	17 nm
Particle size distribution (Laser diffraction)	$d_{90} = 18.6 \mu\text{m}$ $d_{50} = 5.9 \mu\text{m}$
pH in water (10 % solids)	7.6
BET Surface area	8.9 m^2/g
Particle morphology	rod like primary particles strongly agglomerated
Crystal phase and crystallinity	Crystalline, orthorhombic, like Strontianit
Stabilisation	Organically modified, hydrophobic
Solubility in water (NanoCare method)	53 mg Sr-Ion per litre
Purity/contamination	85 % Remaining: Water and org. additive
Microscopy (TEM)	
Zeta potential in 15 % suspension in water	- 66 mV isoelectric point < 7 pH
Surface area chemistry (XPS)	Sr 11.7 At% C 50.6 At% O 37.0 At% P 0.7 At%