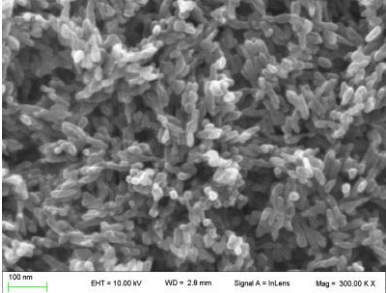




CCR 200 Mn TiO₂ - UV Absorber for cosmetics

CCR 200 Mn is a stabilized aqueous suspension of ultrafine Titanium dioxide (TiO₂) with excellent UV absorption properties. Our applied proprietary particle design- and coatings- technology is the basis for the premium product performance in a wide range of cosmetics applications where high UV protection is required.

Properties	Designed and optimized for the use as high efficient UV absorber: <ul style="list-style-type: none"> ▪ Ultrafine TiO₂ without pigmentary properties. ▪ Highly stabilized, neutral pH, skin color aqueous suspension. ▪ Rutile crystal structure. ▪ Excellent UV absorber, with high transparency. ▪ Cristal lattice doped with Mn. 		
Applications	Main applications are: <ul style="list-style-type: none"> ▪ Cosmetics: <ul style="list-style-type: none"> ○ Sunscreens ○ Moisturizers with UV protection ○ Lip makeup with UV protection 		
Product characteristics (typical)	TiO ₂ content	Internal method	~ 20 %
	Density	Internal method	~ 1.2 g/cm ³
	pH	Internal method	6 - 8
	Crystallite size (Scherrer)	Internal method	~ 30 nm
	Specific Conductivity	Internal method	< 1 mS/cm
	Specific surface area	Internal method	~ 70 m ² /g
SEM image	 <p style="text-align: center;">SEM image of the CCR 200 Mn</p>		
Packaging & Handling	<ul style="list-style-type: none"> ▪ Available in 50 L (60 kg) or 150 L (170 kg) plastic drums. ▪ Handling in accordance with the CCR 200 Mn Safety Data Sheet. ▪ Shelf life: at least 2 years from the date of production. ▪ When stored, avoid freezing and overheating. 		

The information provided in this Technical Data Sheet (TDS) is, to the best of our knowledge. Since the conditions of use are beyond our control no warranty is given or to be implied of such information.