



TECHNICAL DATA SHEET

Titandioxid Typ O

Description	A white powder			
Pigment type	Anatase pigment			
INCI Name	Titanium Dioxide			
Chemical Composition	By weight	CAS No.	CI Number	Einecs
TiO ₂	≥ 99 %	13463-67-7	77891	236-675-5
Trace Elements	Lead (Pb)	10.0 ppm	max.	
	Arsenic (As)	1.0 ppm	max.	
	Mercury (Hg)	1.0 ppm	max.	
	Antimony (Sb)	2.0 ppm	max.	
	Cadmium (CD)	1.0 ppm	max.	
	Chrom (CR)	2.0 ppm	max.	
pH (10 % aqueous solution)	6,5–8			
Density	3,8 g/cm ³			
Particle size	0,2–0,4 µm			
Oil Absorption	≤ 23 g/100 g			
Brightness	≥ 98,7			
Tinting Strength	≥ 110			
Water soluble matter	≤ 0,5 %			
HCl soluble matter	≤ 0,5 %			
Loss on drying	0–0,5 % (105 °C)			
Total amount of bacteria	< 100 cfu/g			
Yeast and Mould	< 100 cfu/g			
Pathogens	negative			

This high purity Titanium Dioxide conforms to European E171 heavy metal requirements for use in all cosmetic applications.

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