

**TECHNICAL DATA SHEET**

Pure color pigment - Titanium Dioxide - White - KZP06

**Identification:**

INCI name	Titanium dioxide
Chemical formula	TiO <sub>2</sub>
Molecular weight	79.88
CAS No.	13463-67-7
EINECS No.	236-675-5
Colour Index	77891
Colour Name	Pigment White 6
Specific density	3.8 g/cm <sup>3</sup>

**typical properties:**

	<b>E-171</b>	<b>FDA 21 CFR</b>	<b>KZP06 typical</b>
TiO <sub>2</sub> content %	min. 99.0	min. 99.0	99.3
Loss on drying %	max. 0.5	max. 0.5	0.3
Loss on ignition %	max. 1.0	max. 0.5	0.1
Al <sub>2</sub> O <sub>3</sub> and/or SiO <sub>2</sub> %	max. 2.0	-	0.1
Acid soluble salts %	max. 0.5	max. 0.5	0.4
Water soluble salts (hot) %	max. 0.5	-	0.4
Water soluble salts (cold) %	-	max. 0.25	0.20
Cadmium (HCl soluble) mg/kg	max. 1.0	-	0.5
Antimony (HCl soluble) mg/kg	max. 2.0	max. 2.0	1.0
Arsenic (HCl soluble) mg/kg	max. 1.0	max. 1.0	< 1.0
Lead (HCl soluble) mg/kg	max. 10.0	max. 10.0	< 5.0
Mercury (HCl soluble) mg/kg	max. 1.0	max. 1.0	< 0.1
Mercury (total) mg/kg	-	max. 1.0	< 0.1

**Purity standards:**

E-171 Food Colour Specification 231/2012/EC  
 Food and Drug Administration FDA 21 CFR  
 FAO JECFA Specification Monograph 10 (2010)  
 Cosmetic Regulation 1223/2009/EC

**Quality standards:**

FSSC 22 000  
 ISO 9001; ISO 14001; OHSAS 18001  
 SMETA 4 Pilar Ethical Standard  
 KOSHER  
 HALAL  
 Responsible Care

**Revision Date: 20/01/2018****Revision: 1**