

CERTIFICATE OF ANALYSIS

TITANIUM DIOXIDE

BATCH: **CZ-165467**

Description:	Odourless fine white powder. Insoluble in water and in organic solvents		
Reference:	Additive EC:	E-171	
	Colour Index Nr.:	C.I. 77891	
	Colour Index Name:	C.I. Pigment White 6	
	Chemical name:	Titanium dioxide (TiO ₂)	
	Crystal structure:	Anatase (octahedral form)	

Analysis:			
	Titanium dioxide content (TiO ₂)*	99.5	%
-	Loss on drying at 105 °C	0.2	%
	Acid soluble substances	0.16	%
	Water soluble substances	0.38	%
-	Metals:		
	Lead (Pb)	2.0	p.p.m.
	Arsenic (As)	<	1.0 p.p.m.
	Cadmium (Cd)	0.5	p.p.m.
	Mercury (Hg)	0.1	p.p.m.
	Antimony (Sb)	0.5	p.p.m.

* After drying at 105 °C

This product meets the requirements of:
Regulation (EU) 1129/2011 from 11 November 2011 (List of permitted food colours)
Regulation 231/2012 from 9 March 2012 (Purity norms for food colours)
FAO/WHO JECFA Specifications Food Additives Monograph 10 (2010)
European Pharmacopeia 7th. Edition 2010 (Ph.Eur.)
FDA 21 CFR Ch.I Part. 73 (Requirements Food and Drug Administration of USA)
USP 33 / NF28 2009 (Pharmacopeia USA)