

GRACEFRUIT LTD

CERTIFICATE OF ANALYSIS

TITANIUM DIOXIDE

This product was produced in accordance with the guidelines of relevant quality management system and monitored in every manufacturing stage.

Batch: 153883 / Characteristic	Value	Unit	Specification
Assay TiO ₂ "as is basis"	99.5	%	min. 99.0
Particle Size > 0.045 mm	0.00	%	max. 0.10
Whiteness index CIE	94.5	%	min. 93.5
Loss on drying at 105°C	0.3	%	max. 0.5
Loss on ignition at 800°C	0.0	%	max. 0.5
Al ₂ O ₃ content	0.00	%	max. 0.5
SiO ₂ content	0.00	%	max. 0.5
Matter soluble in HCl	0.24	%	max. 0.5
Water soluble matter	0.39	%	max. 0.5
Cadmium soluble in HCl	0.5	mg/kg	max. 1.0
Antimony soluble in HCl	0.5	mg/kg	max. 2.0
Arsenic soluble in HCl	<1.0	mg/kg	max. 1.0
Lead soluble in HCl	2.0	mg/kg	max. 10.0
Mercury soluble in HCl	0.1	mg/kg	max. 1.0

This pure titanium dioxide anatase pigment complies with the following standards/regulations:

Food Additive Regulation 2012/231/EC (E 171), FCC, JSSFA
 FDA 21 CFR 73.575, 73.1575, 73.2575
 KOSHER for Passover and Pareve, HALAL
 FDA REGISTRATION No. 12574002440