

# Certificate of Analysis

Gracefruit Ltd

## Titanium Dioxide

Date of production: 01.12.2016

Date of expiration: 01.12.2019

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

**Batch No. 152600**

Characteristic	Value	unit	Specification
Assay TiO <sub>2</sub> "as is basis"	99.4	%	min. 99.0
Particle Size ≥ 0.045 mm	0.01	%	max. 0.10
Whiteness index CIE	93.7	%	min. 93.5
Loss on drying at 105°C	0.2	%	max. 0.5
Loss on ignition at 800°C	0.0	%	max. 0.5
Al <sub>2</sub> O <sub>3</sub> content	0.00	%	max. 0.5
SiO <sub>2</sub> content	0.00	%	max. 0.5
Matter soluble in HCl	0.20	%	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