

**Certificate of Analysis
Titanium Dioxide**

**Gracefruit Ltd
209 Glasgow Road
Longcroft
FK4 1QQ**

Quality certificate

Date of dispatch: 13.03.2018
Reference Nr. : 183474
Date of production: 26.01.2018
Date of expiration: 25.01.2021/

nabr. Dr. Edvarda Benese 1170/24
Prerov I - Mesta
750 02 Pferov
Czech Republic

Material:
10004 **PRETIOX AV01FG 25 kg bag**
Number of mean of transport:
9T2 2272, 8T8 0811

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

Batch: 155478 / Quantity: 12.000T

| Characteristic | Value | Unit | Specification |
|--|-------|-------|---------------|
| Assay TiO ₂ "as is basis" | 99.5 | % | min. 99.0 |
| Particle Size > 0.045 mm | 0.01 | % | max. 0.10 |
| Whiteness index CIE | 95.2 | % | min. 93.5 |
| Loss on drying at 105°C | 0.2 | % | max. 0.5 |
| Loss on ignition at 800°C | 0.1 | % | 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 | 0.19 | % | max. 0.5 |
| Water soluble matter | 0.30 | % | max. 0.5 |
| Water soluble subst.cold | 0.090 | % | max. 0.25 |
| 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 | 3.0 | 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