

**CERTIFICATE OF ANALYSIS**

**Gracefruit Ltd**

**FRACTIONATED COCONUT OIL**

Customer:	Gracefruit Limited	Order No:	12.10.2016
Quantity:	1 x 25 litre drums	Batch No:	KMO7590
Date:	13.10.2016	Code No:	-
Supplier Ref:	A1613006		

**Description:** A light coloured, low viscosity oil, containing the tri-glycerides of medium chain, saturated fatty acids mainly C-8 (Caprylic) and C-10 (Capric).

TEST	SPECIFICATION	ANALYSIS
Acid Value (mg KOH/g)	0.2 maximum	0.022
Iodine Value (gI <sub>2</sub> /100g)	1.0 maximum	0.1
Hydroxyl Value (mg KOH/g)	10 maximum	1.0
Saponification Value (mg KOH/g)	310 - 360	332.11
Unsaponifiable Matter (%)	0.5 maximum	< 0.5
Peroxide Value (meq O <sup>2</sup> /kg)	1.0 maximum	0.1
Specific Gravity @ 20°C	0.930 – 0.960	0.945
Refractive Index	1.440 – 1.452	1.448
Alkaline Impurities (ml 0.01m HCl)	0.15 maximum	< 0.15
Heavy Metals (ppm)	10.0 maximum	< 10
Water Content (%)	0.2 maximum	Complies
Loss on Drying (%)	0.5 maximum	< 0.5
Sulphated Ash	0.1 maximum	< 0.1

FATTY ACID COMPOSITION (%)		
C6:0 Caproic Acid	2.0 maximum	<2.0
C8:0 Caprylic Acid	50 - 80	59.4
C10:0 Capric Acid	20 - 50	40.4
C12:0 Lauric Acid	3.0 maximum	<3.0
C14:0 Myristic Acid	1.0 maximum	<1.0

**Date of Manufacture:** March 2016

**Date of Expiry:** March 2018

This COA is produced electronically therefore no signature is required.