

**CERTIFICATE OF ANALYSIS  
HAZELNUT OIL**

**Gracefruit Ltd**

Customer:	Gracefruit Limited		
		Batch No:	KMO8566
Date:	11.11.2016		

**Appearance:** Clear bright golden yellow oil, with virtually no odour or flavour.

TEST	SPECIFICATION	ANALYSIS
Acid Value	0.2 maximum	0.1
Free Fatty Acid (% as oleic)	0.1 maximum	0.05
Peroxide Value (meqO <sub>2</sub> /kg)	2.0 maximum	1.0
Iodine Value	87 - 102	97
Refractive Index @ 20°C	1.462 – 1.464	1.463
Saponification Value	187 - 197	191
Colour (Lovibond 5.25" cell)	25.0 Yellow maximum	10.0
	2.5 Red maximum	1.0

FATTY ACID PROFILE (%)		
C16:0 Palmitic Acid	4 - 10	4.7
C18:0 Stearic Acid	1 - 4	2.4
C18:1 Oleic Acid	70 - 84	76.2
C18:2 Linoleic Acid	9 - 19	14.3
C18:3 Alpha Linolenic Acid	1.5 maximum	0.6
C20:0 Arachidic	1.0 maximum	0.2

**Date of Manufacture:** January 2016

**Date of Expiry:** January 2018

This COA is produced electronically therefore no signature is required.