

# Certificate of Analysis

## Gracefruit Ltd

Raw Material Code: R00114

Product Description: Castor Oil, Organic

INCI Name: Ricinus Communis Seed Oil

EINECS Number: 232-293-8

CAS Number: 8001-79-4

Date of Production: February-2018

Best Before: January-2020

Lot Number: L000260623

Retested date:

Analytical Details	Result
Appearance	Clear to pale yellow viscous liquid
Odour	Characteristic
Specific Gravity @ 20°C	0.960
Refractive Index @ 20°C	1.479
Peroxide Value MeqO <sub>2</sub> /kg	1.7
Saponification Value	181
Iodine Value	86
Acid Value (mg KOH/g)	0.2
Hydroxyl Value (mg KOH/g)	166.1

Palmitic Acid	C16:0	1.27
Stearic Acid	C18:0	1.28
Oleic Acid	C18:1	3.47
Ricinoleic Acid	C18:1 (OH)	88.35
Linoleic Acid	C18:2	4.53
Alpha Linolenic Acid	C18:3	0.33