

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: March-2016

Best Before: March-2018

Lot Number: L000179264

Retest Date: -

Analytical Details	Result
Appearance	Clear to pale yellow viscous liquid
Odour	Characteristic
Specific gravity @ 20°C	0.959
Refractive index at 20°C	1.478
Peroxide value	0.3
Saponification value	180.65
Iodine Value	85.58
Acid Value	0.32
Hydroxyl Value	163.79

Palmitic Acid	C16:0	1.54
Stearic Acid	C18:0	1.43
Oleic Acid	C18:1	3.49
Ricinoleic Acid	C18:1 (OH)	88.23
Linoleic Acid	C18:2	4.6
Alpha Linolenic Acid	C18:3	0.45