

Certificate of Analysis

Gracefruit Ltd

Raw Material Code	R00113
Product Name	Castor Oil, BP
Inci Name	Ricinus Communis Seed Oil
EINECS Number	232-293-8
Cas Number	8001-79-4

Date of Production	June/2017
Best Before Date	June/2019

Customer Name	GRACEFRUIT LTD
Lot Number	P268642
Raw Material Lot	L000229190

Parameter	Result
Appearance	A clear almost colourless or slightly
Odour	Characteristic, bland
Peroxide Value (meq O ₂ / kg)	0.37
Free Fatty Acid (% as oleic)	0.26
Acid Value	0.52
Refractive Index	1.4792
Relative Density & Specific Gravity	0.9597
Palmitic Acid : C16:0	1.91
Stearic Acid : C18:0	1.29
Oleic Acid : C18:1	3.61
Ricinoleic Acid : C18:1 (OH)	87.24
Linoleic Acid : C18:2	4.64
Alpha Linolenic Acid : C18:3	0.42
Eicosenoic Acid : C20:1	<1.0
Nervonic Acid : C24:1	0.89
Iodine Value	85.52
Absorbance 270Nm	0.151
Colour (Gardner)	1G
Hydroxyl Value (mg KOH/g)	164.01

Moisture	0.15
Optical Rotation	+3.6
Saponification Value	180.71
Unsaponifiable Matter	0.36

Comments