

Certificate of Analysis
Gracefruit Ltd
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VAT Number: 935 8115 14
EORI Number: GB9358 1151 4000
Company Number: SC374368

Raw Material Code:	R00114	Product Description:	Castor Oil, CP, Organic
INCI Name:	Ricinus Communis Seed Oil		
EINECS Number:	232-293-8	CAS Number:	8001-79-4
Date of Production:	July-2015	Best Before:	July-2017
Lot Number:	L000147612	Retest Date:	-

Analytical Details	Result
Appearance	Clear to pale yellow viscous liquid
Odour	Very slight, Characteristic
Relative Density (g/ml)	0.96
Refractive Index nD20	1.479
FFA	0.22
Peroxide Value	0.79
Saponification Value	180.3
Unsaponifiable Matter (%)	0.4
Iodine Value (Calc.)	85.37
Acid Value (mg KOH/g)	0.44
Optical Rotation	+3.6
Hydroxyl Value	163.79
Light Absorbance @ 269nm	0.132

Palmitic Acid	C16:0	1.47
Stearic Acid	C18:0	1.52
Oleic Acid	C18:1	3.92
Ricinoleic Acid	C18:1 (OH)	87.18
Linoleic Acid	C18:2	5.12
Linolenic Acid	C18:3	0.43
Eicosenoic Acid	C20:1	Not Detected
Others	-	0.36