

# Gracefruit Ltd

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[www.gracefruit.com](http://www.gracefruit.com)

VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368



# Certificate of Analysis

**Description:** Shea Butter, Refined

**LOT No:** 53543

**Inci Name:** Butyrospermum Parkii (Shea) Butter

**Cas Nos:** 194043-92-0 / 91080-23-8

**Einecs No:** 293-515-7

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Solid fat	Conforms
COLOUR	Off-white to ivory	Conforms
FLAVOUR AND TASTE	Neutral	Conforms
COLOUR (LOVIBOND 5.25" CELL)	≤ 3 r, 40y	0.7 r, 5.7 y
COLOUR (GARDNER)	≤ 4	0.9
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.03
IODINE VALUE (CALC)	55 – 70	Conforms
PEROXIDE VALUE (Meq O <sub>2</sub> / kg)	≤ 10.0	0.8
SAPONIFICATION VALUE	170 – 190	Conforms
UNSATONIFIABLE MATTER	4 – 9	Conforms
ACID VALUE (mg KOH/g)	≤ 2.0	0.06
CITRIC ACID (PPM)	≤ 10.0	< 10.0
MELTING POINT (°C)	28 – 45	Conforms
WATER CONTENT (%)	≤ 0.05	0.02

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CAHIN	RANGE	RESULT
	PALMITIC	C16:0	3.0 – 7.0	4.5
	PALMITOLEIC	C16:1	≤ 0.1	Not detected
	STEARIC	C18:0	39.0 – 47.0	38.6
	OLEIC	C18:1	40.0 – 60.0	49.3
	LINOLEIC	C18:2	3.0 – 10.0	5.9
	ALPHA LINOLENIC	C18:3	≤ 0.1	0.1
	ICOSANOIC	C20:0	1.0 – 3.0	1.7
	ICOSENOIC	C20:1	≤ 1.0	< 0.3
	DOCOSANOIC	C22:0	≤ 0.5	0.0
OTHERS		≤ 1.0	0.0	

Date Produced: November 2013

Best Before: November 2015

R00807

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