

Gracefruit Ltd

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VAT Number: 935 8115 14

EORI Number: GB9358 1151 4000

Company Number: SC374368



# Certificate of Analysis

**Description:** Shea Butter, Refined

**Lot No:** 32261

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

**Cas No:** 194043-92-0

**Einecs No:** -

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Ivory White to pale Yellow	Conforms
FLAVOUR AND TASTE	Neutral	Conforms
COLOUR (LOVIBOND 5.25" CELL)	3 r, 40y	0.7 r, 5.7 y
COLOUR (GARDNER)	4	0.6
FREE FATTY ACID (% AS OLEIC)	1.0	0.08
IODINE VALUE (CALC)	55 – 70	55.1
PEROXIDE VALUE (Meq O <sub>2</sub> / kg)	10.0	0.1
SAPONIFICATION VALUE	170 – 190	Conforms
UNSAAPONIFIABLE MATTER	4 – 9	Conforms
ACID VALUE (mg KOH/g)	2.0	0.10
CITRIC ACID (PPM)	10.0	< 10.0
MELTING POINT (°C)	28 - 45	Conforms
WATER CONTENT (%)	0.05	0.03

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CAHIN	RANGE	RESULT
	PALMITIC	C16:0	3.0 – 7.0	3.5
PALMITOLEIC	C16:1	0.1	< 0	
STEARIC	C18:0	39.0 - 47.0	46.6	
OLEIC	C18:1	42.0 - 47.0	42.2	
LINOLEIC	C18:2	4.0 - 7.0	5.8	
ALPHA LINOLENIC	C18:3	0.1	0.1	
ICOSANOIC	C20:0	1.0 - 3.0	1.4	
ICOSENOIC	C20:1	1.0	< 0.3	
DOCOSANOIC	C22:0	0.5	0	
OTHERS		1.0	0	

Date Produced: February 2013

Best Before: February 2015

R00656

Revised: 12.07.2013 SS