

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

Batch No: 21383

Inci Name: Butyrospermum Parkii (Shea) Butter

Lot: 736

Cas No: 194043-92-0

Einecs No: -

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Off-white to ivory solid fat	Conforms
FLAVOUR AND TASTE	Neutral	Conforms
COLOUR	≤ 3 r, 40y	0.8 r, 4.8 y
COLOUR (GARDNER)	≤ 4	0.6
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.06
IODINE VALUE (CALC)	55 – 70	55.4
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 10.0	0.0
SAPONIFICATION VALUE	170 – 190	Conforms
UNSATURIFIABLE MATTER	4 – 9	5.7
ACID VALUE (mg KOH/g)	≤ 2.0	0.14
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	4.0
	PALMITOLEIC	C16:1	≤ 0.1	≤ 0.1
	STEARIC	C18:0	39.0 - 47.0	43.3
	OLEIC	C18:1	42.0 - 47.0	44.4
	LINOLEIC	C18:2	4.0 - 7.0	6.1
	ALPHA LINOLENIC	C18:3	≤ 0.1	0.1
	ICOSANOIC	C20:0	1.0 - 3.0	1.5
	ICOSENOIC	C20:1	≤ 1.0	≤ 1.0
	DOCOSANOIC	C22:0	≤ 0.5	0.3
OTHERS		≤ 1.0	0.2	

Date Produced: February 2012

Best Before: February 2013

Spec: Z25-26/01

Revised: 01.03.2012 VG