

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: 24147

Inci Name: Butyrospermum Parkii (Shea) Butter

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 (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 ₂ / 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	

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Best Before: February 2015

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