



The Soap Kitchen

Certificate of Analysis

Description: Shea Butter, Refined

Batch No: 18873

Inci Name: Butyrospermum Parkii (Shea) Butter

Cas No: 194043-92-0

Einecs No: -

ANALYTICAL DETAILS	RANGE	RESULT
APPEARANCE	Pale yellow, solid fat	Conforms
FLAVOUR AND TASTE	Neutral	Conforms
COLOUR	≤ 3 r, 40y	2 r, 17 y
COLOUR (GARDNER)	≤ 4	3.1
FREE FATTY ACID (% AS OLEIC)	≤ 1.0	0.06
IODINE VALUE (CALC)	55 – 70	55
PEROXIDE VALUE (Meq O ₂ / kg)	≤ 10.0	0.3
SAPONIFICATION VALUE	170 – 190	N/s
UNSAAPONIFIABLE MATTER	4 – 9	5.7
ACID VALUE (mg KOH/g)	≤ 2.0	0.12
CITRIC ACID (PPM)	≤ 10.0	≤ 10.0
MELTING POINT (°C)	30 – 45	34
WATER CONTENT (%)	≤ 0.05	≤ 0.05

FATTY ACID PROFILE (MAJOR ACIDS)	ACID NAME	C-CAHIN	RANGE	RESULT
	PALMITIC	C16:0	3.0 – 7.0	6.9
	PALMITOLEIC	C16:1	≤ 0.1	≤ 0.1
	STEARIC	C18:0	39.0 - 47.0	41.4
	OLEIC	C18:1	42.0 - 47.0	43.2
	LINOLEIC	C18:2	4.0 - 7.0	5.5
	ALPHA LINOLENIC	C18:3	≤ 0.1	≤ 0.1
	ICOSANOIC	C20:0	≤ 3.0	1.4
	ICOSENOIC	C20:1	≤ 1.0	≤ 1.0
	DOCOSANOIC	C22:0	≤ 0.5	0.3
	OTHERS		≤ 1.0	0.2

Date Produced: November 2010

Best Before: November 2012

Spec: Z25-26/01

Revised: 12.04.2011 VG