



BioProGreen

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EACCE export approval number: 6410
Patent Number : 64095319

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CERTIFICATE OF ANALYSIS

COCOA BUTTER

Lot: 17123

Expiration date: March 2025

INCI name: BUTYROSPERMUM PARKII BUTTER

CAS No.: 91080-23-8

EINECS No.: 293-515-7

Features

Criteria	Ref methods	Standards	Results
Organoleptic character	Internal	Solid butter	Compliant
Melting point in °C	AOCS Cc3b-92	34 – 44	34
Color Gardner	Gardner		2.5
Color Lovibond 5 ¼ yellow	NEN 6308- NEN 6310	0.0 – 20.0	12.0
Color Lovibond 5 ¼ red	NEN 6310-NEN 6308	0.0 – 2.0	1.2
Refractive index at 40°C	Phar Eur 2.2.6	1.460 – 1.475	1,471
Acid number (mg KOH/g)	Phar Eur 2.5.1	0.00 – 0.50	0.12
Water content %	Phar.Eur 2.5.32	0.00 – 0.10	0.02
Iodine index	Phar.Eur 2.5.4	52 – 68	63
Peroxide index (meq O ₂ /Kg)	Phar Eur 2.5.5	0.00 - 10.0	0.0
Unsaponifiable Content %(m/m)	Phar.Eur. 2.5.7	Min 4.0	5.4

Fatty acid composition

Fatty acids	Ref methods	Standards	Results (%)
Trans fatty acids	Phar Eur 2.4.22	0.0 – 2.0	0.3
C12:0 Lauric acid		0.0 – 1.0	0.0
C 14:0 Myristic acid		0.0 – 1.0	0.0
C 16:0 Palmitic acid		3.0 – 8.0	3.1
C 18:0 Stearic acid		36.0 – 50.0	42.4
C 18:1 Oleic acid		40.0 – 50.0	46.1
C 18:2 Linoleic acid		4.0 – 8.0	6.0
C 18:3 Linolenic acid		0.0 – 1.0	0.2
C 20:0 Arachidic acid		0.0 – 2.0	1.4
C 20:1 Gadoleic acid		0.0 – 1.0	0.4
C 22:0 Behenic acid		0.0 -1.0	0.2
C 22:1 Erucic acid		0.0 – 2.0	0.0
C 24:0 Lignoceric acid		0.0 – 1.0	0.1

Conservation :In a well-filled, tightly closed container, protected from light and heat.

