Cupuaçu Butter

BIOTARA

INCI name: Theobroma Grandiflorum Seed Butter

Technical Sheet

General Information

Cupuaçu Butter is extracted from the seeds of Theobroma grandiflorum, native to the Amazon rainforest. It is highly valued in cosmetics for its emollient, moisturizing, and antioxidant properties. Known as a natural alternative to lanolin, it has exceptional water absorption capacity, making it effective for both skin and hair care. The butter is 100% pure, natural, wild-harvested, and insoluble in water but soluble in organic solvents.

Key Properties

- Solid at room temperature; creamy yellow color
- Rich in fatty acids (palmitic, stearic, oleic)
- Contains vitamins A, B1, B2, and C
- Rich in antioxidants, polyphenols, and phytosterols
- Exceptional water retention capacity for skin hydration
- 100% pure, natural, and sustainably harvested

Personal Care Applications

Cupuaçu Butter is widely used in personal care and cosmetic formulations such as body and face moisturizers, creams, balms, deodorant sticks, and lipsticks. Its high capacity for water absorption helps restore elasticity and softness to the skin while preventing dryness and irritation. In hair care, it improves manageability, nourishes the strands, and enhances shine and smoothness. Its emollient qualities also make it ideal for sunscreens and after-sun formulations, soothing irritation caused by sun exposure.

Recommended usage: 1–100%
Packaging: Available in pails and drums

Uses & Benefits

Hair Care

- Provides intense hydration and nourishment
- Enhances manageability, softness, and shine
- Helps repair dry and damaged strands
- Valuable in conditioners, masks, and styling products

Skin Care

- Deep hydration, restoring elasticity and softness
- Protects against free radicals and premature aging
- Reduces dryness, irritation, and inflammation
- Promotes healing and soothing of the skin

Background

Cupuaçu Butter is derived from the seeds of the cupuaçu tree, a relative of cacao, found in the Amazon rainforest. Traditionally used both in food and cosmetics, it is known for its exceptional hydrating properties and nutritional richness. Its superior water absorption makes it a natural and vegan alternative to lanolin. BioTara ensures sustainable sourcing, supporting Brazilian cooperatives, with seeds directly processed and pressed within the community to maintain purity, freshness, and quality.

Specifications – Cupuaçu Butter

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Analytical Details	Method	Specification
Appearance	Organoleptic	Solid (ambient)
Color	Organoleptic	White to beige
Odor	Organoleptic	Characteristic
Acid value (oleic acid)	AOCS CD3D-63	<20 mg KOH/g
Refractive index (at 30°C)	AOCS CC7-25	1.44–1.48
Peroxide Value (index)	AOCS CD8-53	<10 meq/kg
Lovibond Color 5 1/4”	NEN 27608:2011	1.5R / 15.0Y
Iodine Value (Wijs)	AOCS TG2A-64	30–50 gI2/100g
Saponification value	AOCS CD3-25	175-208 mg KOH/g
Unsaponifiable matter (bioactives)%	AOCS CA 6A-40	<2
Density (g/cm3 at 30°C)	AOCS CC 10C-95	0.89-0.90

Fatty Acid Profile

Fatty Acid	Method	Specification
Palmitic (C16:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	7-12%
Stearic (C18:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	28-35%
Oleic (C18:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	40-45%
Linoleic (C18:2)	AOCS Ce 1h-05 ISO12966(GC-FID)	3-7%
Arachidic (C20:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	8-13%
Behenic (C22:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	1-2%

Microbiological Analysis

Parameter	Specification	Method
Aerobic bacteria	<100 CFU/g	NF EN ISO 21149
Yeast & mold	<10 CFU/g	NF EN ISO 16212
Pathogens (*Candida albicans, Salmonella spp., E. coli, Pseudomonas, Staphylococcus aureus*)	Absent	NF EN ISO 18416/21150/6579/22717/22718