Copaiba Essential Oil

BIOTARA

INCI name: Copaifera Species Resin Oil

Technical Sheet

General Information

Copaíba Essential Oil (*Copaifera officinalis*) is a golden pale-yellow to greenish-brown essential oil obtained through sustainable distillation of resin tapped from Copaíba trees native to the Amazon rainforest. It is highly valued for its powerful anti-inflammatory, antimicrobial, and healing properties and is a cornerstone ingredient in natural skincare and therapeutic formulations.

Key Properties

- Pale yellow to greenish-brown color with characteristic odor
- Viscous liquid; may solidify at low temperatures
- Excellent emollient and healing action
- Anti-inflammatory, antimicrobial, and antioxidant properties
- Promotes skin regeneration and scar repair
- 100% pure, natural, wild-harvested, and sustainably sourced

Personal Care Applications

Copaíba Essential Oil is ideal for a wide range of cosmetic and therapeutic uses, including:

- Moisturizing creams and lotions
- Healing and anti-inflammatory ointments
- Dandruff shampoos and scalp treatments
- Acne and wound-healing formulas
- Oral care and antiseptic soaps
- Massage and lymphatic care products
- Intimate hygiene and natural repellents

Recommended use: 1–100%
Shelf life: 18 months
Standard packaging: Buckets and drums

Uses & Benefits

Hair & Scalp Care

- Soothes scalp irritation and dandruff
- Enhances shine, softness, and scalp health

Skin & Body Care

- Deeply moisturizes dry skin areas (elbows, knees, heels)
- Promotes wound healing and scar closure
- Reduces inflammation and swelling
- Strengthens skin barrier and prevents cracking

Therapeutic & Medicinal Benefits

- Relieves muscle pain, tension, and headaches
- Helps with acne, infections, and rashes
- Functions as a natural insect repellent
- Provides antiseptic protection for skin injuries

Background

Copaíba Essential Oil (CAS number 9000-12-8) is extracted from *Copaifera officinalis* trees, has been used for centuries by Amazonian communities for its anti-inflammatory and wound-healing benefits. The resin, collected sustainably without harming the tree, contains beta-caryophyllene-a potent natural compound that contributes to its soothing and restorative effects. BioTara's sourcing supports Brazilian cooperatives that extract, process, and package the oil within local communities, ensuring purity, traceability, and ethical impact.

Specifications – Copaiba Essential Oil

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Analytical Details	Method	Specification
Appearance (25ºC)	Organoleptic	Translucent liquid with low viscosity
Color	Organoleptic	Yellowish
Odor	Organoleptic	Characteristic
Density	AOCS 10C-95	0.775-0.935 g/mL
Water solubility	Standard	Insoluble
Beta-caryophyllene	---	30-60%

Microbiological Analysis

Parameter	Specification	Method
Aerobic bacteria	<1000 CFU/g	NF ISO 4833
Yeast & mold	<2x100 CFU/g	NF V 08-036
Pathogens (*Candida albicans, Salmonella spp., E. coli, Pseudomonas, S. aureus*)	Absent	NF EN ISO 18416/21150/6579/22717/22718