Patauá Oil

BIOTARA

INCI name: Oenocarpus Bataua Fruit Oil

Technical Sheet

General Information

Patauá Oil is extracted from the mesocarp of the *Oenocarpus bataua* tree through cold pressing and refined for purity. With a shelf life of two years, it is sustainably sourced from Brazil, where communities harvest and process it using traditional methods. Although it does not carry an official EU substance number, it is identified with the unique substance identifier 1938910-14-5. Known for its restorative properties, Patauá Oil is widely used in personal care, cosmetic, and medicinal applications.

Key Properties

- Solid below 25°C / 76°F
- Clear, yellow, transparent oil
- Highly nutritious and antioxidant-rich
- Moisturizing, revitalizing, and protective
- 100% pure, natural, and wild-harvested

Personal Care Applications

Patauá Oil provides exceptional hydration, strengthens the scalp, and enhances hair softness and shine. It helps prevent dandruff, soothes dryness, and reduces inflammation and irritation. On the skin, it moisturizes, prevents cracking, regenerates and revitalizes tissue, and protects against dehydration.

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

Uses & Benefits

Hair Care

- Strengthens, moisturizes, and revitalizes
- Helps combat dandruff and dry scalp
- Improves softness and shine

Skin Care

- Forms a lipid barrier that protects against dryness
- Balances natural moisture and prevents cracking
- Reduces inflammation, redness, and irritation
- Restores damaged skin and prevents premature aging

Background

Patauá Oil comes from the patauaizeiro, a palm tree that grows in humid regions of the Amazon rainforest. The oil is sustainably harvested by Brazilian cooperatives, where seeds are directly collected, processed, and refined within the community. Its nutritional profile and cosmetic benefits make it a valuable ingredient for both local use and global beauty markets. BioTara ensures premium quality by carefully storing and packaging the oil to maintain its purity, freshness, and functional properties.

Specifications – Patauá Oil

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Analytical Details	Method	Specification
Appearance (25ºC)	Organoleptic	Liquid
Color	Organoleptic	Yellow
Odor	Organoleptic	Characteristic
Acids value (oleic acid)	AOCS CD3D-63	<20 mg KOH/g
Peroxide Value (index)	AOCS CD8-53	<15 mEq/kg
Iodine Value (wijs)	AOCS TG2A-64	60-85
Saponification value	AOCS CD3-25	185-210
Refractive Index (40ºC)	AOCS CC7-25	1.4597-1.5899
Density (25º)	AOCS 10C-95	0.910-0.930 g/mL
Unsaponifiable matter	AOCS CA 6A-40	<1.3%
Moisture Content	AOCS Ca2e:84(09)	0–0.5%
Melting point	AOCS CC1-25	16ºC

Fatty Acid Profile

Fatty Acid	Method	Specification
Palmitic (C16:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	6-15%
Palmitoleic (C16:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	<2%
Stearic (C18:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	2-9.5%
Oleic (C18:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	68-83%
Linoleic (C18:2)	AOCS Ce 1h-05 ISO12966(GC-FID)	2-9%
Linolenic (C18:3)	AOCS Ce 1h-05 ISO12966(GC-FID)	<5%

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