Passion Fruit Oil

BIOTARA

INCI name: Passiflora Edulis Seed Oil

Technical Sheet

General Information

Passion Fruit Oil (Maracujá Oil) is derived from the seeds of *Passiflora edulis*, native to tropical regions including Brazil. It is cold-pressed, refined, and has a yellowish color with a characteristic aroma. The oil is light in texture, quickly absorbed, and rich in essential fatty acids, especially linoleic acid (Omega-6, up to 70%). It is 100% pure, natural, wild-harvested, and sustainably sourced.

Key Properties

- High concentration of linoleic acid (Omega-6, up to 70%)
- Yellowish color with characteristic odor
- Lightweight texture with quick absorption
- Excellent emollient with moisturizing and calming effects
- Rich in essential fatty acids; supports hydration and skin balance
- Anti-inflammatory and soothing properties
- 100% pure, natural, and sustainably harvested

Personal Care Applications

Passion Fruit Oil is highly valued in cosmetics and skincare for its moisturizing, anti-inflammatory, and calming properties. It is ideal for acne-prone, sensitive, or dry skin, while also being effective in hair care and massage therapies.

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

Uses & Benefits

Hair Care

- Hydrates and nourishes hair strands
- Provides softness, smoothness, and flexibility
- Helps combat dandruff and oily scalp
- Addresses hair dryness

Skin Care

- Deep hydration and nourishment
- Regulates sebum production, supports acne-prone skin
- Reduces inflammation, sagging, and redness
- Soothes irritation after hair removal
- Prevents occurrence of ingrown hairs

Body / Massage

- Reduces stress, anxiety, and fatigue
- Improves sleep and relaxation
- Commonly used in massage oils

Background

Passion Fruit Oil(*Passiflora edulis*) is native to tropical America and widely cultivated in humid climates. In Pará, Brazil, passion fruit is grown on a large scale, with the Bragantina region being the largest production center. Seeds are collected sustainably, supporting Brazilian cooperatives, and pressed directly within the community. BioTara ensures premium quality and careful storage to maintain freshness and beneficial properties. (CAS number 97676-26-1).

Specifications – Passion Fruit Oil

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Analytical Details	Method	Specification
Appearance (25ºC)	Organoleptic	Liquid
Color	Organoleptic	Yellowish
Odor	Organoleptic	Characteristic
Acids value (oleic acid)	AOCS CD3D-63	< 20 mg KOH/g
Refractive Index (30ºC)	AOCS CC7-25	1.4600-1.4780
Peroxide Value (index)	AOCS CD8-53	< 15 meq/kg
Iodine Value (wijs)	AOCS TG2A-64	130-145 gl2/100
Density 25ºC	AOCS CC 10C-95	0.921–0.998 g/mL
Saponification value	AOCS CD3-25	170-190 mg KOH/g
Unsaponifiable matter	AOCS CA 6A-40	< 1%
Moisture Content	AOCS Ca2e:84(09)	0–0.5%
Melting point	AOCS CC1-25	< 5ºC

Fatty Acid Profile

Fatty Acid	Method	Specification
Palmitic (C16:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	8-12%
Stearic (C18:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	1.5-2.5%
Oleic (C18:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	13-18%
Linoleic (C18:2)	AOCS Ce 1h-05 ISO12966(GC-FID)	70-77%
Linolenic (C18:3)	AOCS Ce 1h-05 ISO12966(GC-FID)	0.5-2%
Saturated	---	16%
Unsaturated	---	84%

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