Graviola Oil

BIOTARA

INCI name: Annona Muricata Seed Oil

Technical Sheet

General Information

Graviola Oil, derived from the seed oil of *Annona muricata* (Soursop), is suitable for beauty, personal care, and medicinal applications. It is cold-pressed, refined, and has a shelf life of 2 years. Produced in Brazil within traditional communities, it is rich in vitamins, minerals, acetogenins, antioxidants, and phytonutrients, offering both cosmetic and therapeutic benefits.

Key Properties

- Solid at temperatures below 40 °C
- Light brown color
- Nutty and slightly fruity aroma
- Rich in unsaturated fatty acids (oleic, linoleic)
- Antibacterial, astringent, antioxidant, and anti-inflammatory properties
- 100% pure, natural

Personal Care Applications

Graviola Oil is highly valued for moisturizing, soothing, and regenerating properties. It can be used in skincare to treat dry skin, psoriasis, acne, and inflammation, while enhancing hydration and supporting skin barrier repair. In hair care, it nourishes, strengthens, and restores shine. It is also effective in massage products due to its emollient and soothing qualities.

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

Uses & Benefits

Hair Care

- Enhances hair hydration and shine
- Restores softness and silkiness
- Protects scalp health
- Valuable in shampoos, conditioners, and treatments

Skin Care

- Moisturizes and softens skin
- Helps treat dry skin, psoriasis, and acne
- Antioxidant protection against free radicals
- Anti-inflammatory, soothing irritated or inflamed skin
- Healing, promoting tissue regeneration
- Valuable in massage and cosmetic products

Background

Annona muricata (Cas number 68650-44-2) is an aromatic tropical fruit with white pulp, fibrous center, and black seeds. Traditionally used for its medicinal properties, its oil is extracted from the seeds and sustainably harvested in Brazil. Processing is done directly within the community, ensuring premium quality and ethical sourcing.

Specifications – Graviola Oil

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Analytical Details	Method	Specification
Appearance (25ºC)	Organoleptic	Clear to slightly hazy Yellow liquid
Color	Organoleptic	Pale yellow to golden
Odor	Organoleptic	Characteristic
Acid Value (oleic acid)	AOCS CD3D-63	<20 mg KOH/g
Refractive Index (40ºC)	AOCS CC7-25	1.4681-1.5789
Peroxide Value (index)	AOCS CD8-53	<15 mEqO2/kg
Iodine Value (Wijs)	AOCS TG2A-64	60-90 gI2/100g
Density 25ºC	AOCS CC 10C-95	0.9117-0.9460 g/mL
Saponification value	AOCS CD3-25	180-200 mg KOH/g
Unsaponifiable matter	AOCS CA 6A-40	2-3%
Melting point	AOCS CC1-25	10-20ºC

Fatty Acid Profile

Fatty Acid	Method	Specification
Myristic (C14:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	<5%
Palmitic (C16:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	20-25%
Palmitoleic (C16:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	<2.5%
Stearic (C18:0)	AOCS Ce 1h-05 ISO12966(GC-FID)	4-6%
Oleic (C18:1)	AOCS Ce 1h-05 ISO12966(GC-FID)	38-45%
Linoleic (C18:2)	AOCS Ce 1h-05 ISO12966(GC-FID)	25-30%
Linolenic (C18:3)	AOCS Ce 1h-05 ISO12966(GC-FID)	<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