BIOTARA

# Graviola Extract
## Technical Sheet

## General Information

Graviola Extract is obtained from the seeds of Annona muricata, native to the Amazon region. It is rich in vitamins, minerals, acetogenins, antioxidants, and phytonutrients, making it highly valuable for both cosmetic and therapeutic applications. The oil is 100% pure, natural, wild-harvested, and soluble in organic solvents but insoluble in water.

## Key Properties

- Light brown color with a nutty, slightly fruity aroma
- Rich in unsaturated fatty acids (oleic and linoleic)
- Contains vitamins, minerals, acetogenins, antioxidants, and phytonutrients
- Strong antibacterial, antifungal, and anti-inflammatory properties
- 100% pure and natura

## Personal Care Applications

Graviola Extract is widely used in personal care and therapeutic formulations. Its antibacterial, antifungal, and antioxidant properties make it suitable for skin-protective products, while its emollient and vitamin-rich composition supports anti-aging and skin repair. It is also valued in stress-relief and wellness applications.

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

## Uses & Benefits

### Wellness & Therapeutic

- Antibacterial and antifungal activity prevents skin infections
- Antiviral properties support immunity and microbial defense
- Contributes to stress and anxiety relief; assists in depression treatment
- Antidiabetic activity helps regulate glucose metabolism

### Skin Care

- Provides antioxidant protection, fighting free radicals and preventing premature aging
- Anti-inflammatory action supports joint, muscle, and skin health
- Soothes irritation and protects against environmental stress
- Helps maintain skin elasticity and softness

## Background

Graviola, also known as soursop, is an aromatic fruit with white pulp, a fibrous core, and black seeds. The extract is derived from cold pressing the seeds and has traditionally been used in Amazonian medicine for its health-promoting properties. Sustainable sourcing ensures the seeds are collected and pressed within local communities, supporting Brazilian cooperatives. BioTara guarantees premium quality through careful processing, packaging, and storage to preserve the extract's nutritional and therapeutic benefits.

# Specifications – Graviola Extract

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## Specific Name: Annona muricata

| Analytical Details | Method | Specification |
|---|---|---|
| Appearance | Organoleptic | Viscous liquid, may become pasty at low temperatures |
| Color | Organoleptic | Yellow |
| Odor | Organoleptic | Characteristic |
| Free Fatty Acids (oleic) | NEN660:2009 | <10 |
| Refractive Index (ND40) | IUPZ 102 La | 1.4681–1.5778 |
| Peroxide Value (index) | AOCS Cd8b:90(09) | 10–15 meq/kg |
| Iodine Value (wijs) | NEN 3961:1999 | 60–90 |
| Moisture Content | AOCS Ca2e:84(09) | 0 – 0.5% |

## Fatty Acid Profile

| Fatty Acid | Method | Specification |
|---|---|---|
| C14:0 Myristic | NEN 5508:1995 | <0.5% |
| C16:0 Palmitic | NEN 5508:1995 | 20–25% |
| C16:1 Palmitoleic | NEN 5508:1995 | <2.5% |
| C18:0 Stearic | NEN 5508:1995 | <2% |
| C18:1 Oleic (Omega 9) | NEN 5508:1995 | 38–45% |
| C18:2 Linoleic (Omega 6) | NEN 5508:1995 | 25–30% |
| C18:3 Linolenic (Omega 3) | NEN 5508:1995 | <2% |

## Microbiological Analysis

| Parameter | Specification |
|---|---|
| Aerobic bacteria | <100 CFU/g |
| Yeast & mold | <100 CFU/g |
| Pathogens (Salmonella, E. coli, Pseudomonas, Staphylococcus) | Absent |