

## Native Sacha Inchi Oil

### Botanical name:

Plukenetia volubilis L.

### INCI name:

Plukenetia volubilis seed oil

### General Information

Sacha inchi oil (SIO), rich in omega-3 fatty acids, supports collagen production, enhancing skin elasticity and hydration for a youthful appearance. Its nourishing properties also strengthen hair, reducing frizz, split ends, and breakage, resulting in smoother, healthier strands.

### Specification

Parameters	Specifications
Appearance	Yellow liquid with a characteristic odor
Omega-3 contents (%)	48.50
Omega-6 contents (%)	34.80
Omega-9 contents (%)	7.70
Vitamin A (mcg/100 g)	123.42 mcg/100 g
Vitamin D3 (mcg/100 g)	2811.03 mcg/100 g
Vitamin E (mg/100 g)	145.06 mg/100 g
Magnesium (mg/100 g)	0.48 mg/100 g
Calcium (mg/100 g)	3.36 mg/100 g
Solubility	Soluble in oils and organic solvents, insoluble in water
Relative Density (gr/cm <sup>3</sup> )	0.91
Acid Value (mg/g)	0.38 ± 0.02
Peroxide Value (m-eq/Kg)	11.01
Iodine Value (g/100 g)	179.32
Refractive Index	1.479
Total Plate Count (cfu/g) max	<10
Yeast and Mold (cfu/g) max	<10
Lead (Pb)	Not Detected
Arsenic (As)	Not Detected
Cadmium (Cd)	Not Detected
Mercury (Hg)	Not Detected

\* These values indicate typical specification; they are not intended to be used as product specifications.

### Benefits

#### For skin care products

- Anti-aging: reduce wrinkle, improves skin elasticity, boosts collagen production, and stimulates cell regeneration.
- Moisturizing and deep hydration
- Improve skin barrier
- Relieves irritated or scaly skin
- Wound healing and reduced inflammation

- Protects from UV damage
- Antioxidants protection
- Non-comedogenic
- Sebum production balance
- Non-greasy
- Enhances lip hydration for a moist, luxurious feel with a velvety sensorial finish
- Improves shine and smoothness, creating a glossy, plump look on lips

#### For hair care products

- Enhance the strength of hair
- Regulating oil production
- Deep hydrate and nourish
- Hair growth
- Repairs and nourishes damaged hair
- Reduces frizz and adds shine
- Protects against heat damage
- Relieve irritated scalp

### Application

#### Skin care

- Facial cream/lotion/serum
- Moisturizing cream/lotion
- Eye cream/serum
- Face mask
- Sunscreen
- Soothing cream
- Spot treatment
- Body cream/lotion
- Hand cream/lotion
- Massage oil
- Cleanser
- Lip oil/balm/serum/mask
- After shave cream

#### Hair care

- Hair oil
- Shampoo
- Conditioner
- Hair serum
- Hair mask

### Formula guidelines

0.1-100%

### Storage

Keep in a normal room temperature, dry, and lightless place