

TECHNICAL DATA SHEET

VERSION: MARCH 2026

INGREDIENT INFORMATION

Product name	Sacha Inchi oil Organic
Botanical name	Plukenetia volubilis L.
CAS Number	68956-68-3
EINECS Number	273-313-5
INCI Name	Plukenetia volubilis seed oil
Product use	For food and cosmetic applications
Origin	Peru

Part used	Seeds
Extraction Method	Cold pressed
Quality	100% pure, unrefined

ORGANOLEPTIC QUALITY

Appearance	Viscous liquid, clean, bright
Color	Light yellow
Odor	Characteristic, light, nutty, pleasant odor

PROPERTIES

	SPECIFICATION
Acid Value (mgKOH/g)	0.2 - 1.0
Refractive index (20 °C)	1.47 - 1.49
Peroxide Value (meqO₂/kg)	≤ 10.0
Saponification index	189 - 196
Iodine index	144.35 - 196.00
Density (20 °C) g/ml	0.923 - 0.928
Unsaponifiable matter %	0.20 - 0.54
Humidity %	0.01 - 0.06



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FATTY ACIDS COMPOSITION

Fatty acid	SPECIFICATION
C16:0 Palmitic Acid (%)	3 - 5
C18:0 Stearic acid (%)	2- 3.5
C18:1 Oleic Acid (Omega 9) (%)	8 - 14
C18:2 Linoleic Acid (Omega 6) (%)	32 - 39
C18:3 Linolenic Acid (Omega 3) (%)	45 - 55

MICROBIOLOGICAL ANALYSIS

	SPECIFICATION
Total Plate Count 30C (CFU/g)	<100
Yeasts and Moulds (CFU/g)	<10
Escherichia coli (/g)	Absent
Candida Albicans (/g)	Absent
Staphylococcus aureus (/g)	Absent
Salmonella spp. (/25g)	Absent
Pseudomonas aeruginosa (/g)	Absent

Guarantees	<ul style="list-style-type: none"> • GMO free • Organically produced • Natural • Suitable for Vegan/Vegetarians • Free of irradiation • Not tested on animals • No preservatives/additives intentionally added • Not produced from species included in the CITES list. • No genetic resources were extracted to produce this vegetable oil. Hence the Nagoya protocol doesn't apply to this product. • Not considered as a VOC.
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	<ul style="list-style-type: none"> The natural index according to ISO 16128-1 and ISO 16128-2 are: Natural Index: 1 / Natural Origin Index: 1 RM questionnaire for COSMOS APPROVED available.
Regulatory compliance	<p>EU:</p> <ul style="list-style-type: none"> Exempted from Regulation (EC) No 1907/2006 (REACH). The product does not contain any of the substances that are so far considered of very high concern (SVHC) by the European REACH Regulation. Does not contain substances classified as CMR 1A, 1B or 2 according to Annex VI of Regulation EC 1272/2008 and its amendments. Does not contain fragrance allergens listed in regulation 2023/1545, of July 26, 2023, amending Regulation (EC) No. 1223/2009 on the allergens listed in annex III. No nanomaterials according to the EU recommendation 2022/C229/01. In conformity with Regulation 396/2005/EC on maximum residue levels of pesticides. <p>China:</p> <ul style="list-style-type: none"> Listed in the 'Inventory of Existing Cosmetic Ingredients in China (IECIC 2021)'. <p>USA:</p> <ul style="list-style-type: none"> Based on the actual production process and to the best of our knowledge, it doesn't contain any substance listed on the California Proposition 65.
Certifications available	<ul style="list-style-type: none"> EU Organic USDA Raw material questionnaire for COSMOS APPROVED available

Stability and storage:

- Storage conditions:** Cool, dark and dry.
Keep away from direct sunlight.
- Shelf life:** 36 months after the date of manufacturing, in its original closed packaging and in the recommended conditions.

