

## PRODUCT SPECIFICATION **SACHA INCHI OIL**

Classification: ***Plukenetia Volubilis L***

The star-shaped sacha inchi fruit are cultivated and harvested traditionally, by hand in the Peruvian Amazon. Sacha inchi powder is made from sacha inchi seeds which are processed into a fine powder without solvents, chemicals or other additives. During the process the oil of the seed is removed.



### GENERAL CHARACTERISTICS

<b>PRODUCT CLASS.:</b>	Sacha Inchi Powder, Plukenetia volubilis L
<b>STYLE:</b>	Raw material, Oil
<b>ORIGIN:</b>	Amazon rainforest, Peru
<b>CULTIVATION:</b>	Organic, Conventional
<b>COLOR CLASS.:</b>	Yellow-green

### PHYSICAL CHARACTERISTICS

<b>COLOR VISUAL:</b>	Clean, clear yellow-green
<b>TASTE:</b>	Characteristic
<b>ODOR</b>	Characteristic
<b>FOREIGN MATERIAL:</b>	Absent
<b>DEFECTS:</b>	None
<b>AVERAGE SIZE:</b>	–
<b>CALIBER:</b>	–
<b>PARTICLE SIZE:</b>	–

### PRODUCT TYPES

<b>TYPES:</b>	Oil
<b>CERTIFICATION:</b>	<input checked="" type="checkbox"/> SENASA <input checked="" type="checkbox"/> EU <input checked="" type="checkbox"/> USDA Organic <input type="checkbox"/> JAS <input type="checkbox"/> Fairtrade FLO <input type="checkbox"/> KOSHER <input type="checkbox"/> UTZ
<b>HS CODE(S):</b>	

### CHEMICAL CHARACTERISTICS

<b>ACIDITY (OLEIC ACID):</b>	–
<b>ASHES:</b>	–
<b>FAT:</b>	100%
<b>FERMENTATION:</b>	–
<b>HUMIDITY LEVEL:</b>	–
<b>IODINE:</b>	–
<b>MELTING POINT:</b>	–
<b>PEROXIDE:</b>	–
<b>PH-LEVEL:</b>	–
<b>SAPONIFICATION:</b>	–
<b>FLASH POINT:</b>	240 °C

## SACHA INCHI OIL

### Conformation

- This product does not contain genetically modified material.
- This product is free of BSE/TSE.
- The product is processed in a plant that processes nuts.
- The product is gluten free.
- This product, whole or in part, has not been subjected to Ionizing Radiation.
- This product has not come into contact with Nandrolone or any of its precursors in any way.

### MICROBIOLOGICAL PARAMETERS

<b>AEROBIC MESOPHILIC:</b>	Max. 10 <sup>5</sup> cfu/g
<b>YEAST:</b>	Max. 10 <sup>3</sup> cfu/g
<b>MOLD:</b>	Max. 10 <sup>3</sup> cfu/g
<b>E. COLI (10G):</b>	Absent
<b>SALMONELLA (25G):</b>	Absent
<b>STAPHYLOC. AUREUS:</b>	Max 10 cfu/g
<b>AFLATOXINS:</b>	–
<b>P. AERUGINOSA:</b>	–
<b>N. ENTEROBACT.:</b>	–
<b>BACILLUS CEREUS:</b>	–

## NUTRITION FACTS (100GR POR)

ENERGY:	402 kcal. / KJ 1682
PROTEIN:	61 g
TOTAL FAT:	5 g
SATURATED FAT:	0 g
MONOUNSAT. FAT:	–
POLYUNSAT. FAT:	–
CARBOHYDRATES:	22 g, of which
	– Sugars: 10 g
	– Dietary fibers: 12 g
CHOLESTEROL:	0 mg

### VITAMINS

BETAINE:	–
CAROTENE:	–
CHOLINE:	–
FOLATE (B9):	–
NIACIN:	–
PANTOTHENIC ACID:	–
RIBOFLAVIN (B2):	–
THIAMIN (B1):	–
VITAMIN A:	681 ug
VITAMIN B12:	–
VITAMIN B6:	–
VITAMIN C:	–
VITAMIN D:	–
VITAMIN E:	17 mg
VITAMIN K:	–

### FATTY ACIDS:

C8-10 CAPRYLIC:	1.5 %
C12-0 LAURIC:	1.3 %
C13-1-7 TRIDECONOIC:	–
C13-0 TRIDECAONOIC:	–
C14-0 MYRSTIC:	3.3 %
C15-1-7 PENTADEC:	–
C16-1-9 PALMTOLEIC:	1 %
C16-0 PALMITIC:	6.1 %
C17-1-9 HEPTADEC:	–
C17-0 HEPTADECANOIC:	–
C18-2-9-12 LINOLEIC:	21 %
C18-1-9 OLEIC:	43.5 %
C18-0 STERIC:	2.5 %
C19-1-11 NONADEC:	–
C19-0 NONADECANOIC	–
C20-1-15 EISOENOIC:	–
C22-0 BEHANIC:	–
C24-1-15 NERVONIC:	–
C-24-0 LIGNOCENIC:	–

### AMINO ACIDS: per 1 g protein:

ASPARTIC ACID:	–
GLUTAMIC ACID:	133 mg
SERINE:	64 mg
HISTIDINE:	26 mg
GLYCINE:	118 mg
THREONINE:	43 mg
ALANINE:	36 mg
TYROSINE:	55 mg
PHENYLALANINE:	24 mg
VALINE:	40 mg
METHIONINE:	12 mg
ISOLEUCINE:	50 mg
LEUCINE:	64 mg
LYSINE:	43 mg
HO- PROLINE:	–
PROLINE:	48 mg
SARCOSINE:	–

### MINERALS

CALCIUM:	–
COPPER:	–
FLUORIDE:	–
IRON:	–
MAGNESIUM:	–
MANGANESE:	–
PHOSPHOROS:	–
POTASSIUM:	–
SELENIUM:	–
SODIUM:	0 mg
ZINC:	–

### OTHER

ARSENIC (AS):	–
ASH:	–
CADMIUM (CD):	–
CAFFEINE:	–
LEAD (PB):	–
MERCURY (HG):	–

## SACHA INCHI OIL

Cold-pressed sacha inchi oil has a pleasant mild-nutty aroma. The oil is rich in polyunsaturated fatty acids, and offers a good balance between Omega-3, -6 and -9 essential fatty acids (EFAs).

### Typical Use

Sacha Inchi oil for cosmetic use, as a binding medium can be processed into skin and hair products or can be applied to hair and skin directly to alleviate sensitive, damaged or irritated skin. Industrial applications: moisturizer, body soap, hair shampoo, etc.

## SHELF-LIFE & STORAGE

SHELF-LIFE:	24 months, 6 months after opening when refrigerated.
STORAGE:	Store in a temperature/humidity controlled environment, away from sunlight or other heat sources.
STORAGE TEMP.:	18-25 degrees Celsius
HUMIDITY:	50-65% H.R.

## ORDER SPECIFICATIONS

PACKAGING/PRES.:	18 kg container
SHIPPING:	FOB Callao
MINIMUM ORDER:	1000 kg
DELIVERY DETAIL:	FIFO
LEAD TIME TO FOB:	19 days

## DISCLAIMER

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## INQUIRIES

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# PRODUCTION PROCESS FLOW CHART

PRODUCTION PROCESS: Sacha Inchi Oil  
PREPARED BY: C. Sedano  
REVISED BY: J. Aguilar  
APPROVED BY: M. Zuniga Cueva

PROCESS CODE: N-PRD-sia01  
VERSION: 1.0  
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