

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

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

PHYSICAL CHARACTERISTICS

COLOR VISUAL:	Clean, clear yellow
TASTE:	Characteristic
ODOR	Characteristic
FOREIGN MATERIAL:	Absent
DEFECTS:	None
AVERAGE SIZE:	–
CALIBER:	–
PARTICLE SIZE:	–

PRODUCT TYPES

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

CHEMICAL CHARACTERISTICS

ACIDITY (OLEIC ACID):	0.56
REFRACTIVE:	1.479 (at 20°C)
FAT:	100%
FERMENTATION:	–
HUMIDITY LEVEL:	–
IODINE:	183
MELTING POINT:	–
PEROXIDE:	2.58 (LoQ=0,08 meg/kg of fat)
DENSITY	0.926 0.931 g/ml (at 20°C)
SAPONIFICATION:	193
FLASH POINT:	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

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

NUTRITION FACTS (100GR POR)

ENERGY:	402 kcal. / KJ 1682
PROTEIN:	58 g
TOTAL FAT:	100 g
SATURATED FAT:	7.8 g
MONOUNSAT. FAT:	9 g
POLYUNSAT. FAT:	83 g
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:	–
TOTAL OMEGA-3:	47.61 g
TOTAL OMEGA-6:	35.57 g
TOTAL OMEGA-9:	9.01

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 as a food product or 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:	18 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.:	– 200 kg / 216 l steel drum – 250 ml green glass bottle, cardboard box 24 bottles, 60 boxes / pallet of net 800 kg
SHIPPING:	FOB Callao
MINIMUM ORDER:	1000 kg
DELIVERY DETAIL:	FIFO
LEAD TIME TO FOB:	19 days



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INQUIRIES

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PRODUCTION PROCESS FLOW CHART

PRODUCTION PROCESS: Sacha Inchi Oil
PREPARED BY:
REVISED BY:
APPROVED BY: M. Zuniga Cueva

PROCESS CODE: N-PRD-sia02
VERSION: 1.1
DATE: 24-06-2017
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