



PRODUCT DATA SHEET

MACA
(*Lepidium meyenii*)



ORIGIN

Altiplano – La Paz –
Bolivia



PROCESSED AT

NATUR – Santa Cruz – Bolivia

“We preserve the fruit's nutritional value, flavour, and colour by working sustainably with our supply chain”

RAW MATERIAL INFORMATION (*fruta in natura*)

NATUR's freeze-dried maca is produced on small family farms in the Bolivian Altiplano, in the El Alto and La Paz regions. These regions benefit from specialized technical support provided by NATUR, which oversees farmer training, procedural manuals, and production inspections. Farms that join NATUR's production program are guaranteed the purchase of their output at a price agreed upon in accordance with international fair trade standards. The company's website details how NATUR maintains a corporate social responsibility (CSR) policy with its suppliers.

Raw material presentation

NATUR receives fresh maca bulbs in bags directly from the producer. NATUR oversees every step from harvest onwards to ensure traceability and the quality of the final product.



FREEZE-DRIED PRODUCT SPECIFICATIONS



ORGANOLEPTIC CHARACTERISTICS

Colour	Light cream
Scent	Fruit's characteristic
Taste	Fruit's characteristic
Consistency	Uniform powder

MICROBIOLOGICAL CHARACTERISTICS

Stand. Place Count	Max. 10.000 UFC/g
Yeast and Mold	Max. 200 UFC/g
Total coliforms	< 10 UFC/g
Salmonella	Absent In 25 g
Escherichia coli	< 10 UFC/g
Staphylococcus aureus	< 10 UFC/g



100% Freeze-Dried Frut



Sugar Free



Gluten Free



Hypoallergenic Product



Peanut / Tree nut Free

GENERAL CHARACTERISTICS

- Moisture less than 2%
- Shelf life = 2 (two) years *
- 100 g of freeze-dried maca powder is equals to 387 g of raw fruit

*When stored in its original pack and in a fresh place avoiding direct sunlight

AMMINOACIDS

Parameter	% out of total
Glutamic acid	15,69
Arginine	9,96
Aspartic acid	9,19
Leucine	9,12
Valine	7,95
Glycine	6,85
Alanine	6,32
Phenylalanine	5,54
Lysine	5,46
Serine	5,05
Isoleucine	4,75
Threonine	3,32
Methionine	2,81
HO-Proline	2,61
Histidine	2,20
Sarcosine	0,07
Proline	0,05

NUTRITION FACTS FOR 100 g POWDER

Substance	Quantity	Unit
Total Fat	0,93	g
Saturated fat	0,93	g
Trans fat	—	g
Cholesterol	—	g
Sodium	29,13	mg
Potassium	1.198,01	mg
Total Carbohydrate	68,86	g
Dietary fiber	5,72	g
Protein	18,76	g
Calcium	229,41	mg
Magnesium	83,75	mg
Ashes	3,93	mg
Total Amino acids	997,7	mg
Calories	307	cal

VITAMINS

Parameter	Quantity	Unit
Vitamin B3 (Niacin)	43,56	mg
Vitamin C (Ascorbic Acid)	3,12	mg
Vitamin B2 (Riboflavin)	0,68	mg
Vitamin B1 (Thiamine)	0,50	mg

PRODUCT PRESENTATION

POWDER

NATUR supplies freeze-dried maca powder packaged in tri-laminated BIOPP bags with an aluminum inner liner, inside 62 cm x 33 cm x 20 cm cardboard boxes containing 10 kg net weight.

PRODUCT APPLICATION

Product delivered ready for human consumption, but in this bulk presentation its application is for to be fractioned or as food ingredient.

STORAGE

This product must be stored in a dry and fresh area, not to be exposed to extreme heat ($T > 40^{\circ}\text{C}$), cold ($T < 10^{\circ}\text{C}$) or direct sunlight

Particle Size (P) Standard

Range	%
< 3000 microns	5
> 2000 microns	5
> 1000 microns	60
> 500 microns	20



PRODUCT CERTIFICATIONS



Kosher



Halal



PrimusGFS



Senasag Bolivia

Kosher Product · Halal Product · SENASAG Approved (Bolivia) · PrimusGFS / GSFI · Union for Ethical BioTrade