



# ALPINE GROUP

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## Product Specification Organic Maca, powder (TI0417)

### Product description:

Product name	Organic Maca, powder
Botanical name	Lepidium meyenii Walp
Variety	-
Country of origin	Peru
Country of processing	Peru
Process description	Maca root is selected, washed, cut, dried, grinded, quality controlled and packed.

### Mix Composition:

Product	Art. number	% (w/w)	Origin

### Ingredient declaration:

Maca powder
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### Ingredients composition:

Ingredient	Function	% (w/w)	Origin (s)
Maca powder	Ingredient	100	Peru

### Organoleptic parameters:

Consistency / Texture	Homogeneous powder
Colour	Typical for maca powder, beige
Flavour / Odour	Typical for maca powder, no off taste

### Physical parameters:

Count :	Pieces / 454 g / 28,3 g / 100 g	N/A
Size	L x w x H	Powder
Mesh size (sieving)	Particles > 10,0 mm	N/A % (w/w)
	Particles > 5,0 mm	N/A % (w/w)
	Particles < 5,0 mm	N/A % (w/w)
Foreign materials (not product related)	Glass, stones, metals, sharps $\geq$ 2,0 mm	Target absent
	Glass, stones, metals, sharps $\geq$ 7,0 mm	Absent
	Other foreign materials < 7,0 mm	$\leq$ 0,1 % (w/w)
	Other foreign materials $\geq$ 7,0 mm	Absent
Impurities (product related)	Plant (rest) material	- Pieces /
	Cap stems (> 3,0 mm)	N/A
	4,0 mm < stalks < 10,0 mm	N/A Pieces / 100 g

	Stalks > 10,0 mm	N/A	Pieces /
	Others	-	Pieces /
Specific quality requirements	Broken / splits	N/A	% (w/w)
	Kernels / berry defects	N/A	% (w/w)
	Mouldy kernels / berries	N/A	Per 100 g
	Underdeveloped kernels / berries	N/A	Per 100 g
	Sugared berries	N/A	
	Colour deviation	-	% (w/w)
	Out of caliber (specify)	N/A	% (w/w)
Alive infestation		nil	

No information available = - / Not applicable = N/A

#### Chemical parameters:

Moisture	≤ 10	%	ISO 665 / 712
Preservative : SO <sub>2</sub>	N/A	ppm (mg/kg)	
Preservative: Potassium Sorbate	N/A	ppm (mg/kg)	
Aflatoxin B1	-	ppb (µg/kg)	ISO 16050
Aflatoxin B1, B2, G1, G2	-	ppb (µg/kg)	ISO 16050
Ochratoxin A	N/A	ppb (µg/kg)	
Peroxide number	-	meq / kg fat	
Patulin	N/A	ppb (µg/kg)	
Aw value	-		
pH value	-		ISO 2917
Sugar content	-	°Brix	
Free Fatty Acids	-	%	
Heavy metals			According to EU legislation

#### Microbiological parameters:

Total plate count	≤ 100.000	cfu/g	ISO 4833
Yeast	≤ 1.000	cfu/g	ISO 21572-1 or 2
Mould	≤ 1.000	cfu/g	ISO 21572-1 or 2
Coliforms	≤ 100	cfu/g	ISO 4832
E. coli	Less than 10	cfu/g	ISO 16649-1 of 2
Salmonella spp.	Absent	25 gram	ISO 6579-1
Enterobacteriaceae	-	cfu/g	ISO 21528-2

No information available = - / Not applicable = N/A

#### Nutritional parameters:

per 100 gram (may vary with the season, based on USDA database)

Energy	1.264	kJ
	302	kcal
Fat	0	g
Saturated	0	g
Mono-unsaturated	-	g
Poly-unsaturated	-	g
Carbohydrate	50,0	g
Sugars	28,6	g
Polyols	-	g
Starch	-	g
Fibre	21,4	g

Protein	14,3	g
Salt	0,05	g
Ash	-	g

#### Product claims:

GMO free *	Yes
Radiated	No (level (Bq): -
Organic	Yes (in accordance with EU legislation)
Kosher	Depends per supplier
Suitable for vegetarians	Yes
Suitable for vegans	Yes
Halal	Depends per supplier

\* Labelling / traceability requirements (according to EC 1829/2003 and 1830/2003) does not apply

\* Product is manufactured without genetic modification directly or indirectly.

#### Storage conditions:

Optimum storage conditions	Temp : 5 - 15°C R.H. : 55 - 65 %
Shelf life (after production)	24 months

#### Packaging:

Direct contact material	Type: bag Material: PE Weight:
Indirect contact material	Type: box Material: corrugated cardboard Weight:
Weight per colli (net.)	20 kg

#### Intended use:

To be used in the food industry to enhance the nutritional value of smoothies, cereals, muesli, energy bars, and also of a variety of recipes for cakes, biscuits and candies.

## Allergen information

+ = present / yes

- = not present / no

? = no information available

Allergens	Product contains: (as ingredient)	Cross-contamination possible:
Milk and products (cow), lactose	-	-
Egg	-	-
Soy	-	-
Gluten (wheat, rye, barley, oat, spelt, kamut)	-	-
Fish	-	-
Shellfish and crustaceans	-	-
Nuts (walnut, pecan, almond, cashew, hazelnut, macadamia, brazil nut, pistachio)	-	-
Peanuts and products thereof	-	-
Sesame	-	-
Sulphite (E220 to E228) if >10 ppm	-	-
Celery	-	-
Lupine	-	-
Mustard	-	-
Molluscs	-	-

*All information in this product specification is accurate according to our best knowledge and in compliance with actual legislation.*

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