



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 |
|-------------|

Ingredients composition:

| Ingredient | Function | % (w/w) | Origin (s) |
|---------------------|------------|---------|------------|
| Organic Maca powder | Ingredient | 100 | Peru |
| | | | |
| | | | |
| | | | |
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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 |
| Particle size | 60 mesh | ≥ 95,0 % (w/w) |
| 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 ≥ 2,0 mm | Target absent |
| | Glass, stones, metals, sharps ≥ 7,0 mm | Absent |
| | Other foreign materials < 7,0 mm | ≤ 0,1 % (w/w) |
| | Other foreign materials ≥ 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 |



| | | | |
|-------------------------------|----------------------------------|-----|-----------|
| Specific quality requirements | Stalks > 10,0 mm | N/A | Pieces / |
| | Others | - | Pieces / |
| | 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 | % | |
| Preservative: SO ₂ | N/A | ppm (mg/kg) | |
| Preservative: Potassium Sorbate | N/A | ppm (mg/kg) | |
| Aflatoxin B1 | N/A | ppb (µg/kg) | ISO 16050 |
| Aflatoxin B1, B2, G1, G2 | N/A | 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 21527-1 or 2 |
| Mould | ≤ 1.000 | cfu/g | ISO 21527-1 or 2 |
| Coliforms | - | cfu/g | ISO 4832 |
| E. coli | Less than 10 | cfu/g | ISO 16649-1 or 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 based on: USDA database (may vary with the season)

| | | |
|------------------|-------|------|
| Energy | 1.511 | kJ |
| | 361 | kcal |
| Fat | 0,6 | g |
| Saturated | 0 | g |
| Mono-unsaturated | - | g |
| Poly-unsaturated | - | g |
| Carbohydrate | 58,8 | g |
| Sugars | 32,1 | g |
| Polyols | - | g |
| Starch | - | g |
| Fibre | 5,3 | g |



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

Product claims:

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

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|-------------------------------|-------------------------------------|
| Optimum storage conditions | Temp : 5 - 15°C R.H. : 55 - 65 % |
| Shelf life (after production) | 36 months |

Packaging:

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|---------------------------|--|
| 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:

Could be used as a food supplement or as an ingredient in the functional 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

| <u>Allergens:-</u> When purchased in bulk size original packaging, manufacturer allergen policy will apply. When purchased in quantities that need re-packaging, our allergen policies will apply. | | | | | | |
|--|--------------|-----------------------------|-----------------|--|-----------------------------|-----------------|
| Component | Manufacturer | | | Nuts in Bulk (Applies when bought in small quantities that need re-packaging) | | |
| | In Product | Processed in Same Equipment | Handled on Site | In Product | Processed in Same Equipment | Handled on Site |
| Cereals containing GLUTEN and products thereof | NO | NO | NO | NO | NO | YES |
| EGGS or its derivatives | NO | NO | NO | NO | NO | NO |
| FISH or its derivatives | NO | NO | NO | NO | NO | NO |
| CRUSTACEANS / SHELLFISH | NO | NO | NO | NO | NO | NO |
| MOLLUSCS | NO | NO | NO | NO | NO | NO |
| PEANUTS or derivatives | NO | NO | NO | NO | NO | YES |
| SOYA BEANS or derivatives | NO | NO | NO | NO | NO | YES |
| MILK (LACTOSE) or its derivatives | NO | NO | NO | NO | NO | YES |
| NUTS , tree nuts: | NO | NO | NO | NO | NO | YES |
| CELERY, including celeriac and its derivatives | NO | NO | NO | NO | NO | NO |
| MUSTARD, referring to all parts of the plant and derivatives thereof | NO | NO | NO | NO | NO | YES |
| SESAME SEEDS or derivatives | NO | NO | NO | NO | NO | YES |
| SULPHITES >10ppm – Sulphite quantity to be given in ppm | NO | NO | NO | NO | NO | YES |
| LUPIN seeds or derivatives | NO | NO | NO | NO | NO | NO |

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