

## Product Specification

### Quinoa Flakes

Quinoa is an ancient pseudo cereal that has been grown for over 5,000 years in the Andes Mountain, mainly around the Titicaca Lake region (Peru and Bolivia). Before the Spaniards arrived to South America, Quinoa was, together with potatoes and corn, the basis for their nutrition and considered a sacred crop, a gift from God. Throughout the last years, value added products from Quinoa, such as Quinoa Flakes have been developed in order to satisfy the needs of every consumer.

**Process:**

Once the white quinoa grain is cleaned, scarified, washed, selected, sorted and color classified, it is laminated. Rollers elaborate the laminating process and provide the “flake” appearance.

**Description:**

Quinoa Flakes are small raw cream cereal pellets similar to the appearance of a small oat flake. It contains all of the health benefits of Quinoa Grains.

Scientific Name	Family	Origin
Chenopodium quinoa	Chenopodiaceae	Peru



**Characteristics:**

ORGANOLEPTIC CHARACTERISTICS		
Taste	Characteristic	
Appearance	Small, flat, oval pellets	
Smell	Characteristic	
Color	Characteristic	

<b>PHYSIOCHEMICAL CHARACTERISTICS</b>		
Moisture	< 13.0%	
Saponin	Absent	
<b>MICROBIOLOGICAL CHARACTERISTICS</b>		
Total Aerobes Mesophilic	< 1x10 <sup>6</sup>	cfu/g
Coliforms	< 10 <sup>3</sup>	cfu/g
E. Coli	Absent	cfu/g
Yeasts	< 10 <sup>4</sup>	cfu/g
Molds	< 10 <sup>4</sup>	cfu/g
Salmonella	Absent	in 25g
Bacilius Cereus	< 10 <sup>4</sup>	cfu/g
<b>CONTAMINANTS</b>		
Pesticides (*)	Absent (organic)	mg/kg
Pesticides	According to MRL of each country	mg/kg
Aflatoxin B1	< 4.00	µg/kg
Aflatoxin B2	< 4.00	µg/kg
Aflatoxin G1	< 4.00	µg/kg
Aflatoxin G2	< 4.00	µg/kg
Zearelanona	< 100.00	µg/kg
Ochratoxin A	< 5.00	µg/kg
Lead (pb)	< 0.20	mg/kg
Cadmium (Cd)	< 0.10	mg/kg

(\*) Pesticides are considered absent when no residue is measured above the detection limits of the gas and liquid cromatographer.

<b>NUTRITION (in 100gr) **</b>		
Energy	365	kJ
Proteins	11.1	g
Fat	5.5	g
Dietary Fiber	4.0	g
Ashes	2.2	g
Carbohydrates	65.0	g
Calcium	100	mg
Phosphorus	150	mg
Iron	13	mg

(\*\*) Values may vary

**Packaging:**

Triple layer kraft paper bags of 25kg net, retail packaging, or as per clients request

**Life-time and storage conditions**

24 months in adequate conditions: indoor (no direct sunlight), cool, ventilated, dry environment:

Temperature: < 30°C  
Relative Humidity: 45% - 75%

**Uses**

Quinoa Flakes require cooking, however much faster than normal quinoa grains, around 90 seconds in boiling water in a saucepan. You can mix it with milk, chocolate, fruits, nuts, cinnamon for a very tasty porridge.

**Allergens:**

We certify that the following food allergens are NOT present by direct addition (ingredient, food additive, processing aid, etc) or by cross contamination (products production line, transportation, etc.) of our product:

Crustaceans	Milk	Soybean	Mustard
Eggs	Mollusk	Tree nuts	Celery
Fish	Peanut	Wheat	
Lupine	Seeds	Sulphites	

**Gluten Free:**

We certify that our product is naturally gluten free

**Non-GMO:**

We certify that our product has NOT been genetically modified.

**Product Certifications:**

Organic:

National Organic Program (USDA/NOP)

European Union (EU)

Peru (RTPO: Reglamento Técnico Peruano Organico)

Kosher by OU (Orthodox Union)

Quality by SGS or Control Union

**HS Code:**

1104.29.90.00