



OLAM ANDINA PERU SAC

TECHNICAL SPECIFICATION

Organic Tricolor Quinoa

PRODUCT NAME	Organic Tricolor Quinoa			
SCIENTIFIC NAME	<i>Chenopodium quinoa Willd.</i>			
VARIETIES	White July o White Junin, Pasancalla and Ccoito			
ORIGEN	Peru			
COMPOSITION	PRODUCT	WHITE QUINOA	RED QUINOA	BLACK QUINOA
	Tricolor quinoa	75%	15%	15%
	Tricolor quinoa	60%	20%	20%
	Tricolor quinoa	33.33%	33.33%	33.33%
	Or according to client's specification.			
	PARAMETER		VALUES	
SIZE OF GRAINS	1.0 – 2.0 mm		85% min	
ORGANOLEPTICS CHARACTERISTICS	Color: white, reddish and black. Appearance: Small, round, semi-flat grain Taste: characteristic Smell: characteristic			
PHYSICAL CHARACTERISTICS (According to the Peruvian Technical Standard NTP 205.062 , Indecopi)	PURITY		QUALITY OF GRAIN	
	PARAMETER	VALUES	PARAMETER	VALUES
	Quartz, metals, stones and insects	Absent	Broken Grains	<0.04%
	Straws	< 0.05%	Deformed Grains	<0.02%
	Foreign seed	<0.03%	Immature Grains	<0.03%
	Foreign material	<0.02%	Sprouted Grains	<0.01%
	Purity	>99.90%	Infested grains	Absent
			Infested grains Whole Grains	Absent >99.90%
CHEMICAL CHARACTERISTICS (According to the Peruvian Technical Standard NTP 205.062 , Indecopi)	PARAMETER	VALUES	PARAMETER	VALUES
	Moisture	<12.5%	Saponine	<0.02%
MICROBIOLOGICAL CHARACTERISTICS (According to standard healthcare quality and safety of microbiological criteria for food and beverage NTS No. 0591-2008 human consumption - MOH / Digesa-Standard for foods that need cooking./ NTP 205.062)	PARAMETER		VALUES	
	Total Plate Count		< 10 ⁵ ufc/gr	
	Coliforms		<10 ² ufc/gr	
	E. Coli		< 10 ufc/gr	
	Salmonella		Absence (in 25 gr)	
	Yeast		<10 ⁴ ufc/gr	
	Mold		<10 ⁴ ufc/gr	
<i>Bacillus cereus</i>		10 ² ufc/gr		
SPECIFIC POLLUTANTS (*) Organic Standards EU 834/2007, USDA / NOP, JAS (Japanese Agriculture Organic Standard), Technical Regulation of Organic Products of Peru. (**) Regulation (EC) 1881/2006. Maximum content of certain contaminants in foodstuffs. December 19, 2006.	PARAMETER		VALUES	
	Pesticides (*)		Fulfilling the requirements of the corresponding organic standard	
	Aflatoxins (**)		<ul style="list-style-type: none"> Aflatoxins Total < 4.0 ppb Aflatoxins B1 < 2.0 ppb Ochratoxin A < 5.0 ppb Zearenona (ZEA) <100 ppb Deoxinivalenol (DON) <1250 ppb 	
	Heavy Metals (**)		<ul style="list-style-type: none"> Lead < 0.20 mg/kg Cadmium: < 0.10 mg/kg 	
CONSERVATION TREATMENT	Cleaning and grain selection			
PRESENTATION AND CHARACTERISTICS OF PACKAGING	The packing system is automatic filling in: <ul style="list-style-type: none"> Multiwall paper bags of 25 kg, 22.68 kg and 11.34 kg or Polypropylene containers 1000 kg 			
STORAGE AND DISTRIBUTION	The food is stored and distributed at ambient temperatures:			

**TECHNICAL SPECIFICATION**

OLAM ANDINA PERU SAC

Organic Tricolor Quinoa

	Cool, dark, dry place • Temperature: <30°C • Relative Humidity: 45-75%
PRODUCT SHELF LIFE	24 months from date of manufacture in original closed, properly stored and transported package.
INTENDED CONSUMERS	General Public
INTENDED USE - NOT INTENDED USE	<ul style="list-style-type: none"> • Intended for further processing. • The food is ready-to-cook by the consumers.
DISTRIBUTION METHODS	<ul style="list-style-type: none"> • Maritime
PRODUCTION PROCESS	
<p>RECEPTION → THRESHING → TRANSPORTATION → MIXED → SIFTING → MAGNET → SCARIFYING</p> <p style="text-align: center;">↓</p> <p>OPTICAL SELECTION ← GRAVITY SEPARATE ← DESTONER ← SIFTING ← STORAGE HOPPER</p> <p style="text-align: center;">↓</p> <p>METAL DETECTOR → PACKING → STORAGE → DISPATCH</p>	
CERTIFICATIONS	<p><u>FOOD SAFETY</u></p> <ul style="list-style-type: none"> • BRC - KIWA <p><u>ORGANIC CERTIFICATION – CONTROL UNION CERTIFICATIONS</u></p> <ul style="list-style-type: none"> • European Community: EU 889/2007 • National Organic Program (USDA/NOP) with COR homologation. • Japanese Agriculture Standard (JAS) • RPTO: Technical Regulation Organic Products - Peru <p><u>OTHER CERTIFICATIONS</u></p> <ul style="list-style-type: none"> • Kosher – Parve • Gluten Free - GFCO
Approved: Date:	Head of Quality Assurance: CP April 29 th , 2019

CHANGE CONTROL

Version	Description of the change	Review date
1.1	The name of the company Inversiones Andinas J & V SAC is modified to Olam Andina Perú SAC.	29/04/2019