



PRODUCT SPECIFICATIONS
RAW PISTACHIOS INSHELL US
EXTRA NO.1 21-25

Olam International Ltd

Food Safety Modernization Act (FSMA) – Compliance Notice

In accordance with the Food Safety Modernization Act (FSMA) preventive controls for Human Food Rules (21 CFR 117.136), Olam hereby notifies you that the product you are receiving is a raw product from agricultural sources and it is reasonable to assume that it may contain microorganisms of public health significance and it is not subjected to validated interventions to eliminate the hazard. As required by the regulation, the product must be subjected to validated preventive controls to eliminate the identified hazard before introducing for consumption.

GENERAL INFORMATION	
Description	Raw Pistachios In-shell US Extra No.1 100% NO with 21-25 nuts/ounce
Ingredient	100% Pistachio In-shell
Origin	USA
Varieties	
Specs control no.	PT-NAT-OLAMSGWL-1073
Issued date	Aug 27 th , 2020

QUALITY PARAMETERS				
Organoleptic properties	Flavor	Good typical taste, flavor. No off taste, off flavor		In-house method
	Taste			
	Texture	Crunchy		
	Appearance	Green and yellow whole kernels with white shell out side, some husk pieces		
Physical properties	Parameter	Specification	UOM	Test method
	Moisture	5.0	%Max	In-house method
	Nut count per ounce	21-25	Nut/ounce	
	Undersized	5.0	%Max	
	Open Clean	77.0	%Min	
	Light Stain	12.0	%Max	
	Non-Split	2.0	%Max	
	Adhering Hull Material	1.0	%Max	
	Loose Kernels	5.0	%Max	
	Damage by Other Means	1.0	%Max	
	Shell Pieces and Blanks	2.0	%Max	
	Particles and Dust	0.0	%Max	
	Foreign Matter	0.0	%Max	
	Internal Damage	6.0	%Max	
Internal Serious Damage	4.0	%Max		
Insect Damage included in Serious Damage	2.0	%Max		
Chemical properties	FFA (<i>in the fat, expressed as oleic acid</i>)	1.5	%Max	3 rd party lab (ISO 17025 accredited method)
	Peroxide Value	5.0	meq/kg Max	
	TPC	5.0 x 10 ⁴	cfu/gMax	
	Coliforms	1.0 x 10 ¹	cfu/gMax	



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Microbiological properties	E. coli	1.0 x 10 ¹	cfu/gMax	3 rd party lab (ISO 17025 accredited method)
	Yeast & Mold	1.0 x 10 ³	cfu/gMax	
	Enterobacteriaceae	1.0 x 10 ²	cfu/gMax	
	Staphylococcus aureus	1.0 x 10 ¹	cfu/gMax	
	Salmonella spp.	Absent	cfu/25g Max	
	Listeria monocytogenes	Absent	cfu/25g Max	
Food safety	Aflatoxin	If contractually agreed, testing will comply with imported country regulations		
	Pesticide residue	Complies with all federal and state regulations		
	Heavy metal	If contractually agreed, testing will comply with imported country regulations		

NUTRITIONAL INFORMATION (Value per 100g without shells)

		UOM	% Daily Value*
Calories	560.0	Kcal	
Total fat	45.32	g	58
Saturated fat	5.91	g	30
Trans fat	0.0	g	0
Cholesterol	0.0	mg	0
Sodium	1.0	mg	0
Total carbohydrate	27.17	g	10
Dietary fiber	10.6	g	39
Total sugars	7.66	g	
Added sugars	0.0	g	0
Protein	20.16	g	40
Vitamin D	0.0	IU	0
Calcium	105.0	mg	8
Iron	3.92	mg	22
Potassium	1025	mg	22

*The % Daily Value (DV) tells you how much a nutrient in a serving of food contribute to a daily diet. 2,000 calories a day is used for general nutrition advice.

CERTIFICATIONS

The below certificates will be available upon request, please contact Olam representative for more detail.

- | | | |
|---------------|-----------|----------|
| 1. BRC | 3. FSMA | 5. Halal |
| 2. Other GFSI | 4. Kosher | |

DECLARATIONS

The below declarations will be available upon request, please contact Olam representative for more detail.

- | | |
|---------------------|---------------------------|
| 1. Allergen | 4. MSG free |
| 2. Irradiation free | 5. Artificial color free |
| 3. GMO free | 6. Artificial flavor free |



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PACKING STORAGE, SHELF LIFE, LABELLING & TRANSPORT

Shelf life	12 months from the date of packing
Storage conditions	Cool, dry, avoid direct sunlight, clean place and ambient condition
Shipping conditions	As per customer's request
Packing unit	Carton with liner and vacuum with nitrogen flushed Bulk bag with/without liner and vacuum with/without nitrogen flushed
Primary packaging	Food grade vacuum bag and nitrogen flushed or bulk bag with/without liner and vacuum with/without nitrogen flushed
Secondary packaging	Carton: 21.61lbs 186H x 401L x 295W(mm)/ 22.05lbs 186H x 401L x 295W(mm)/ 25lbs 231H x 410L x 295W(mm) or as per customer's requirement Bulk bag: 95 x 95 x 215(cm)
Labelling	As per customer's request
Intended use	Raw
Net weight	Cartons: 21.61lbs/ 22.05lbs/ 25lbs or as per customer's requirement Bulk bag: 2000/2200lbs