



**TÌÊU CHUẨN KỸ THUẬT
PRODUCT SPECIFICATIONS**

Olam International Ltd
7 Straits View, Marina One East
Tower #20-01, Singapore

**Raw walnuts
Combo Halves & Pieces (CHP 20%)**

Please Read: 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	Walnut kernel which has been cracked and graded into pieces.					
Ingredient	100% walnut kernel					
Origin	USA, Chile					
Specs control no.	WN-NAO-OLF- 1102					
Issued date	21/05/2021					
SPECIFICATIONS						
Organoleptic properties	Flavor	Good typical walnut taste, free from rancidity and free of foreign smell.		In-house method		
	Taste					
	Texture	Typical of product				
	Appearance					
Physical properties	Parameter		Specification	UOM	Test method	
	Size					
	Halves	20	%	Min	In-house method	
	Quarters	62	%	Min		
	Pieces	18	%	Max		
	Color					
	Light	50	%	Min		
	Light Amber	50	%	Max		
	Amber	2 (included LA)	%	Max		
	Defects					
	Damage (Mold/ Discolored/ Shriveled)	8	%	Max		
	Serious damage (Mold/ Discolored/ Shriveled)	4	%	Max (included in 8% damage)		
	Very serious damage (Mold/ Discolored/ Shriveled Insect Injury/Rancidity/Decay)	2	%	Max (included in 4% Serious damage)		
	Shell & foreign material	0.05	%	Max (included in 2% Serious damage)		
Total defects	8	%	Max			
Chemical properties	Moisture	4.3	%	Max		IR/Halogen Moisture Analyzer
	FFA (as oleic acid)	1.25	%	(w/w) Max	ISO 660: 2009	
	Peroxide Values	2.8	Meq/kg fat	Max	ISO 3960:2007	
	Aflatoxin B1	2.0	ppb	Max	AOAC 2005.08	
	Aflatoxin total	4.0	ppb	Max	ISO 160502:2003 or equivalent	
Microbiological properties	TPC	50,000	cfu/g	Max	AOAC	
	Enterobacteriaceae	1000	cfu/g	Max		
	Coliforms	100	cfu/g	Max		
	E. coli	<10	cfu/g	Max		
	Yeast & Mold	2,000	cfu/g	Max		
	Salmonella	Absent	cfu/g			ISO 6579 - 1: 2017
Food safety	Pesticide residue	Complies with all federal and state regulations				



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Heavy metal	If contractually agreed, testing will comply with imported country regulations
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NUTRITIONAL INFORMATION (Value per 100g)		
Calories	654 kcal	% Daily Value (*) as per USDA standard reference database for nutrients:
Total fat	65 g	83%
Saturated fat	6.1 g	30%
Cholesterol	0 mg	
Sodium	2 mg	0%
Total carbohydrate	14 g	5%
Dietary fiber	6.7 g	24%
Total sugars	2.6 g	
Added sugars	0 g	
Protein	15 g	30%
Vitamin D	0.00 mcg	0%
Calcium	98.00 mg	8%
Iron	2.91 mg	16%
Potassium	441 mg	9%
(*) 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				
BRC	Yes	<input checked="" type="checkbox"/>	No	
FSMA	Yes	<input checked="" type="checkbox"/>	No	
GFSI	Yes	<input checked="" type="checkbox"/>	No	
Kosher	Yes	<input checked="" type="checkbox"/>	No	
Halal	Yes	<input checked="" type="checkbox"/>	No	
Organic	Yes		No	<input checked="" type="checkbox"/>

DECLARATIONS				
Allergen	Yes	Tree nuts	No	
GMO	Yes		No	<input checked="" type="checkbox"/>
Irradiation	Yes		No	<input checked="" type="checkbox"/>
Ionization	Yes		No	<input checked="" type="checkbox"/>
Free from MSG	Yes	<input checked="" type="checkbox"/>	No	
Free from artificial coloring	Yes	<input checked="" type="checkbox"/>	No	
Free from artificial flavoring	Yes	<input checked="" type="checkbox"/>	No	

PACKINGSTORE, SHELF LIFE	
Shelf life	12 Months from the date of packing
Storage conditions	Cool, dry, a void direct sunlight, clean place (≤ 10 Deg C) and R.H 60-70%
Packing unit	Laminated bag in carton box
Primary packaging	Food grade vacuum bag and nitrogen flushed.
Secondary packaging	Cartons 395 x 295 x 245, 488 x 325 x 186 (mm) & as per customer's request
Labeling	As per customer's request
Net weight	2x5kgs, 1x10kgs or as customer's request
Manufacturer	Olam Viet Nam Ltd.