



OLAM IVOIRE SA  
15 BP 200 Abidjan 15-COTE D'IVOIRE

## CERTIFICATE OF ANALYSIS

<b>Product</b>	<b>Organic Cashew Nut WHITE SPLIT-OWS</b>		
<b>Contract No</b>	6600051462-1	<b>Quantity</b>	700 Cartons
<b>Date of Production</b>	19/10/2020	<b>Expiry Date</b>	18/10/2022
<b>Name of Manufacturer</b>	OLAM IVOIRE SA BP 923 Dimbokro -COTE D'IVOIRE-Tel: (225) 0506727395		

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

### Physical Parameters


Parameter	Results	Limits	Test Method
Flavor/ Odor	Typical of blanched cashew, No off odor	Typical of blanched cashew, No off odor	As per In-house SOP
Appearance/ Colour	Cashew Split Light yellow, Pale ivory, White	Cashew Split White, pale ivory, light ash gray, light yellow	
Insect Damage	0.0	1.0% Max	As per current AFI Method
Mold rancidity, decay	1.0%	1.0% Max	
Foreign Matter	Not detected	0.01% Max	
Defects	5.2	8.0% Max	
Size	Halves > 7/8: 93%	10.0% Max	Auto Sieve Shaker (80 amplitude within 20 min)
	< 7/8: 7%		

### Chemical Parameters

Parameter	Results	Tolerance	Test Method
Moisture	3.8	5.0% Max	IR/Halogen Moisture Analyzer
Peanut Allergen	Not detected	< 0.4mg/Kg	In-house method PCR detection (CO)
FFA <i>Free fatty acid content as oleic acid</i>	0.3	1.0% (w/w) Max	MP-01294-NL in house method
Peroxide Value	< 0,1	5.0 meq/kg Max	QMP_504_VW_404 in-house method
Aflatoxin B1	< 0,1	2.0 ppb Max	QMP_504_VW_404 in-house method
Aflatoxin B1 + B2 + G1 + G2	< 0,1	4.0 ppb Max	

### Microbiological Parameters

Parameter	Results	Tolerance	Test Method
TPC	50	5.0 x 10 <sup>4</sup> cfu/g Max	QMP_504_VW_904 in accordance with ISO 4833-1
Coliforms	< 10	1.0 x 10 <sup>1</sup> cfu/g Max	QMP_504_VW_906 in accordance with ISO 4832
E. coli	< 10	< 10 cfu/g Max	QMP_504_VW_905 in accordance with ISO 16649-2
Yeast & Mold	< 10	1.0 x 10 <sup>3</sup> cfu/g Max	QMP_504_VW_910 in accordance with ISO 7954:1987
Listeria monocytogenes in 25g	not detected	Absent	DIN EN ISO 11290-2 : 2017-09 u) (mod.)(KI)
Salmonella in 375grs	Absent	Absent	QMP_504_VW_901 equivalent to ISO 6579

  
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