



**Ten Senses Africa Ltd.  
Product Specifications**

**1. Description:**

Natural Cashew Nuts, various sizes, packed in 11.34 kg (25 lb) cases. Cashew Kernels shall have been obtained through roasting, shelling and peeling cashew nuts. (Anacardium occidentale L.)

**2. Origins:** Cashew nuts from Kenya, sourced from the coastal regions of Lamu, Kilifi and Kwale.

**3. Supplier** Ten Senses Ltd  
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811 05 Bratislava, Slovakia  
Allan Bussard, Marketing Director  
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Email [allan.bussard@tensenses.com](mailto:allan.bussard@tensenses.com)  
Web [www.tensenses.com](http://www.tensenses.com)

**4. Producer:** Ten Senses Africa Ltd  
Gatsi Warehouses, Number 1  
Athi River, Mombasa Road  
P.O Box 774-00204  
Nairobi , Kenya  
Frank Omondi, Managing Director  
Tel +254 722 214 932  
Email [frank.omondi@tensenses.com](mailto:frank.omondi@tensenses.com)

**5. Styles and sizes normally available:**

W210, W240, W320, W450  
SW240, SW320  
DW, SSW, WS, SP

**6. Grade and Size characteristics:**

(Upon request, any of the following grades and sizes can be delivered:)

**A. Cashew Kernels - White Wholes**

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
W-180	White Wholes	White/pale ivory/light ash. Characteristic shape	170-180	5	5	5(NLSG & SW together)
W-210	do	do	200-210	5	5	do

W-240	do	do	220-240	5	5	do
W-320	do	do	300-320	5	5	do
W-450	do	do	400-450	5	5	do
W-500	do	do	450-500	5	5	5(SW)

### B. Cashew Kernels - Scorched Wholes

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
SW	Scorched Wholes	Kernels may be scorched/slightly darkened due to over-heating while roasting or drying in drier	N.A	5	5	7.5 (SSW)
SW-180	do	do	170-180	5	5	7.5 (NLSG & SSW together)
SW-210	do	do	200-210	5	5	do
SW-240	do	do	220-240	5	5	do
SW-320	do	do	300-320	5	5	do
SW-450	do	do	400-450	5	5	do
SW-500	do	do	450-500	5	5	7.5(SSW)

### C. Cashew Kernels - Desert Wholes

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
SSW	Scorched Wholes Seconds	Kernels may be over-scorched, immature, shrivelled, speckled, discoloured and light blue.	N.A	5	5	7.5 (DW)
DW	Desert Wholes	Kernels may be deep scorched, deep brown, Deep blue, speckled, dis-coloured and black spotted	N.A	5	5	-

### D. Cashew Kernels - White Pieces

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
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B	Butts	White/pale ivory or light ash. Kernels broken cross-wise (evenly or unevenly) naturally attached	N.A	5	5	5 (SB)
S	Splits	White/pale ivory or light ash. Kernels Split naturally lengthwise	N.A	5	5	5 (SS)
LWP	Large White Pieces	White/pale ivory or light ash	Kernels broken into more than two pieces and not passing through 4 mesh 16 SWG sieve/4.75mm. I.S.Sieve	5	Nil	5 (SW & SP together)
SWP	Small White Pieces	White/pale ivory or light ash	Broken Kernels smaller than those described on LWP but not passing through 6 mesh 20 SWG Sieve/2.80 mm I.S. Sieve	5	Nil	5 (BB & SSP together)
BB	Baby Bits	do	Broken Kernels smaller than those described as SWP but not Passing through a 10 mesh 24 SWG Sieve/1.70mm I..S. Sieve	5	Nil	1% (cashew powder)

#### E. Cashew Kernels - Scorched Pieces

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
SB	Scorched Butts	Kernels broken crosswise (evenly or unevenly) and naturally attached. Kernels may be scorched/slightly darkened due to over heating while roasting or drying in the drier	N.A	5	5	7.5 (DB)
SS	Scorched Splits	Kernels split naturally lengthwise. Kernels may be scorched/slightly	N.A	5	5	7.5 (DS)

		darkened due to over-heating while Roasting or drying in drier				
SP	Scorched Pieces	Kernels may be scorched/slightly darkened due to over-heating while roasting or drying in drier	Pieces passing through a mesh 16 SWG sieve/4.75 mm I.S. Sieve	5	Nil	7.5 (SSP & SPS together)
SSP	Scorched Small Pieces	Kernels may be scorched/slightly darkened due to over-heating while roasting or drying in drier	Pieces smaller than SP but not passing through a 6mesh 20 SWG Sieve/2.80 mm I.S. Sieve	5	Nil	5 (DSP)

#### F. Cashew Kernels - Dessert Pieces

Grade Designation	Trade Name	Colour/Characteristics	Count/454 gms size description	Max. Moisture%	Broken Max%	NLSG NLG max%
SPS	Scorched Pieces Seconds	Kernels may be over-scorched immature, shrivelled, discoloured and light blue	Kernels broken into pieces but not passing through a 4 mesh 16 SWG sieve/4.75 mm I.S. Sieve	5	NA	7.5 (DP & DSP together)
DP	Dessert Pieces	Kernels may be deep scorched, deep brown, blue, speckled, discoloured and black spotted	Kernels broken into pieces but not passing through a 4 mesh 16 SWG sieve/4.75 mm and I.S.Sieve	5	NA	7.5 (DSP)

Remarks: Kernels shall be completely free from infestation, insect damage, mould rancidity, adhering testa and objectionable extraneous matter. Scraped and partially shrivelled kernels also permitted provided such scraping/shrivelling does not affect the characteristic shape of the kernel.

NLSG denotes: Next Lower Size Grade. NLG denotes: Next Lower Grade.

## 7. Physical Properties:

Flavour and Aroma	Mild sweet taste typical of cashew kernels, no rancidity or mustiness. Free from irrelevant odours.
Foreign matter	Clean of shell and other foreign matter
Texture	crunchy
Anorganic dirt	Without the presence of anorganic contaminants
Metal pieces	Without the presence of metal pieces
Pests	Without the presence of living or dead insects of any kind

## 8. Nutritional Information: (per 100 g)

Parameter	Specific element	Value/100 g
Energy value		2393 kJ
		573 kcal
Protein		18 g
Carbohydrates		9.2 g
	Fibre	0.9 g
	Starch	6.0 g
	Sugar	1.7 g
Fat		48 g
being of	Saturated fatty acids	9.5 g
	cholesterol	0 g
Dietary fibres		10 g
Mineral nutrients		
	potassium	185 mg
	Iron	1.9 mg
	Sodium	3.4 mg
	Zinc	1.6 mg
	Copper	0.6 mg
	Manganese	0.5 mg
	phosphorus	166 mg
	magnesium	81.8 mg
	calcium	10.4 mg

## 9. Microbiological:

Criteria	Max Value /Unit	Norm
Aerobic Plate Count (APC)	10,000/g max	TES/MIC/TM/08
Coliforms	100 cfu/g	TES MIC/TM/07
E. Coli	0 KTJ/1g	TES/MIC/TM/17
Listeria monocytogenes	negat 25/1g	EU ENISO11290-1
Mould	500 cfu/1	TS/MIC/TM/11
Salmonella spp.	negat 25/1g	TES/MIC/TM/08
Staphylococcus (coagulase positiv)	<5x10 <sup>1</sup> KTJ/1g	EU ENISO6888-1
Yeast	500 cfu/1g	TES/MIC/TM/17

## 10. Chemical:

Criteria	value/unit	Norm
Moisture	<5%	KS 01-868:1989
Aflatoxin B1	<0,2µg/kg	TES/06/TM/30
Aflatoxin B2	<0,2µg/kg	TES/06/TM/30
Aflatoxin G1	<0,2µg/kg	TES/06/TM/30
Aflatoxin G2	<0,2µg/kg	TES/06/TM/30
Peroxide	5 meq O2/ kg max	KS 05-327
Free Fatty Acid (Oleic)	1.0 % max	
Antioxidants	Polyphenols	

### 11. Vitamins

Vitamin A	0
Vitamin C	0.1 mg
Vitamin E	0.3 mg
Vitamin K	9.5 mcg
Thiamin	0.1 mg

### 12. Product suitability:

Dietary requirement	Acceptable yes/no	notes
Coeliac	Yes	No gluten in product, no gluten in production line. No guarantee against cross-contamination during post-shipment handling.
Vegetarian	Yes	No animal products in product, no animal products in production line. No guarantee against cross-contamination during post-shipment handling.
Vegan	Yes	No animal products in product, no animal products in production line. No guarantee against cross-contamination during post-shipment handling.
Lactose intolerant	Yes	No dairy products in product, no dairy products in production line. No guarantee against cross-contamination during post-shipment handling.
Kosher	Yes	Not certified
Halal	Yes	Not certified

### 13. Allergen data:

Product	In product Y/N	In factory Y/N	On same production line Y/N	Stored in same warehouse Y/N
Peanuts and peanut derivatives	No	No	No	No
Nuts and nut derivatives (almond, hazelnut, walnut, macadamia, pecan, Brazil nut, pistachios)	Cashew	Macadamia, cashew	Macadamia, cashew	Macadamia, cashew
Sesame and derivatives	No	No	No	No
Mustard	No	No	No	No
Milk and derivatives	No	No	No	No
Gluten (wheat, rye,	No	No	No	No

barley, spelt)				
Soya and derivatives	No	No	No	No
Lupin and derivatives	No	No	No	No
Fish and derivatives	No	No	No	No
Crustaceans and molluscs	No	No	No	No
Sulphites	No	No	No	No
Celery	No	No	No	No

#### 14. Genetic Declaration:

GMO	Yes/no	If yes, what?
Does the product contain viable or unviable GM material?	No	
Is the product produced from GM material?	No	
Has the product been changed as a consequence of GM?	No	
Have GMO been used as aids or additives with the product?	No	

#### 15. Certificates:

HACCP Kenya Bureau of Standards  
ISO 22000 SGS (in process, to complete by 30.09.2015)

FLO-CERT (Fair Trade)  
Producer: Ten Senses Africa Ltd FLO-CERT ID 21357  
Growers: Lake Kenyatta Cooperative FLO-CERT ID 31027

Organic  
EU Regulation on organic agriculture EC 834/2007  
NOP (National Organic Programme of the United States Department of Agriculture)

#### 16. Packaging:

Net wt. / case:	11.34 kg (25 lb)
Gross wt. / case:	11.93 kg (26.3 lbs.)
Case dimensions:	22.5 cm W x 36.5 cm L x 23.0 cm H (W 8-7/8", L 14-3/8", H 9-1/16")
Packing	vacuum packed in alufoil pouches, nitrogen flushed, placed in corrugated cartons
Labelling	cartons tape sealed, with expiry date, batch code, consignee & style indicated on outside. Box markings identify shipper, origins, and certifications of product.
Lots	Lot no format Certificate (FLO/CON)/Julian date/LOTX/XX (farmer group)/DX (dryer no.)

Preservatives and processing aids: N/A

#### 17. Shipping and Storage:

Not to be shipped in same container as odour producing substances.  
Store in a dry place, relative humidity of 60-70%

#### 18. Shelf Life:

12 months with proper storage. Use within one month of opening pouches. Avoid exposure to UV light.

**19. Delivery Enclosures:**

Export licence  
Phytosanitary certificate  
Certificate of origin  
EU 1  
Laboratory certificates of analysis  
Invoice  
Bill of lading

**20. Shipping Volumes:**

FCL volumes (20' container):

Palletized:

- 96 boxes per pallet
- 10 pallets per container
- total of 960 cases per container
- net weight nuts only: 24 000 lbs., 10 866 kg/container
- gross weight including packaging: 25 248 lbs/container, 11 452/kg

Non Palletized (floor loaded):

- 1550 cases per container
- net weight nuts only: 38 750 lbs/17 576 kg.
- gross weight including packaging: 40 765 lbs., 18 490 kg/container

**21. Seller declaration:**

The seller guarantees that this product has been subject to quality inspections during the production process to ensure a clean and safe product which complies with EU and USDA norms. The seller reserves the right to modify this specification at any time.