



## WALNUTS HALVES AND PIECES BULK

### Technical Sheet

#### PRODUCT DESCRIPTIONS

- **Product:** Walnut
- **Commercial Name:** 80% Halves, 60% Halves or 20% Halves.
- **Country of origin:** Chile.
- **Process description:** Harvest, clean, dry, machine cracked, mechanic manual sorting and packed.
- **Ingredients:** 100% walnuts.
- **Intended use:** Ready to eat.

Dried fruit varieties grown from *Juglans regia*, whose outer shell and septum has been removed.

**Halves:** Above 80%, 60% or 20% half kernel. Including the ones that have up to 12.5% (1/8) of the kernel missing, as long as the kernel keeps its characteristic form.

**Large Pieces:** Kernel piece held by a sieve of 13mm and that is smaller than a half of a kernel.

**Medium Pieces:** Kernel pieces which shall pass through a 13 mm diameter sieve and cannot pass through a 9 mm diameter sieve.

#### SPECIFICATIONS

- **Varieties:** Chandler or Serr.
- **Cracking type:** Mechanical.
- **Sorting type:** Manual-mechanical.
- **Texture:** Firm, crispy.
- **Flavor and aroma:** Good typically nut flavor, free from rancid or foreign flavors.
- **Color:** Extra Light; Extra Light-Light; Light; Light-Amber; Amber.

#### PHYSICAL PARAMETER

Minimum of Halves	80% (w/w)	60% (w/w)	20% (w/w)
Maximum Pieces <sup>(1)</sup>	20% (w/w)	40% (w/w)	80% (w/w)
<b>Color</b>	<ul style="list-style-type: none"> <li>- Extra Light</li> <li>- Extra Light-Light</li> <li>- Light</li> <li>- Light-Amber</li> <li>- Amber</li> </ul>		
Kernel Defects	4% (w/w) as a top. (Stain, shriveling, mold, insect injury)		

<sup>(1)</sup> Large and Medium pieces

#### CLEANNES

<b>Product related impurities <sup>(2)</sup></b>	
- Shell	1 un/10 kg
- Septum	5 un/10 kg
<b>Foreign matter</b>	≤0% (w/w)
<b>Other</b>	<b>Not Present</b>
- Stalks	
- Stones	
- Soil Particles	
- Dirt	
- Alive infestations	

<sup>(2)</sup> Tolerance is for shell or septum

#### CHEMICAL PARAMETERS

- **Moisture content:** 5% máx.
- **Preservatives:** N/A.
- **Aflatoxines (B1; B2; G1; G2):** ≤4 ppb (µg/kg).
- **Heavy metals:** According to EU legislation.

#### MICROBIOLOGICAL PARAMETERS

- **Total coliforms:** < 10 cfu/g
- **E. coli :** < 10 cfu/g
- **Salmonella spp.:** Absent
- **Listeria monocytogenes:** Absent

#### NUTRITIONAL INFORMATION

Nutrients	Values/100 g
Total calories (Kcal)	561.8
Protein (g)	7.2
Total fat (g)	55.97
Saturated fat (g)	4.5
Monounsaturated fat (g)	8.63
Polyunsaturated fat (g)	42.84
Carbohydrate (g)	29.25
Sodium (mg)	< 3

Source: Geonuts®



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#### PACKAGING PROPERTIES

- **Direct contact packaging with product:** Polyethylene bags, measures 60x40 (cm), 35g weight each.
- **Indirect contact material:** Corrugate carton box, measures 32x20x47 (cm), 645g weight.

Each packaging unit is a clean, new, printed corrugated carton box, which contain two polyethylene bags with 5kg each one, packaged in modified atmosphere of 80% N<sub>2</sub> and 20% CO<sub>2</sub>.

#### LABELING

The label used only have an internal company code mark (barcode) which will ensures traceability from the raw material to final product, if required or audited. However, it is possible attach other label according to buyer convenience, but not replace the original labeling. The content of these label must be decided by the buyer.

#### GENERAL INFORMATION

- **Containers shipment:** 20 feet (10.000 kg approx.) and 40 feet (20.000 kg approx.)
- **Crop period:** March - April
- **Processing period:** May - November

#### STORAGE RECOMMENDATIONS

- **Temp:** 10 - 15 °C
- **R.H.:** < 70%

This product must be stored in a clean, fresh and dry area, free from strong odors and contaminating products. Product shelf life in their original packaging and recommended storage: two years.

#### PRODUCT IS

- GMO free
- Suitable for Vegetarians
- Suitable for Vegans

#### ALLERGEN INFORMATION

Product is 100% walnut, then, nuts allergen is present. Production line only process walnuts, there is not risk of cross contamination.

#### CERTIFICATIONS

- GLOBALG.A.P. (EUREPGAP), orchard management
- HACCP, walnut packaging and cracking process plant.
- KOSHER, London Beth Din Kashrut Division (KLBD), walnuts products manufactured at the agroindustrial plant.