



# Product Specification Sheet

## Southern Lands LLC

Category: Premium Pecans – Pecan Halves

### 1. General Information

<b>Product Name:</b>	<b>Pecan Halves – Fancy Grade</b>													
<b>Size Chart:</b>	<table border="1"> <thead> <tr> <th>Description</th> <th>Size (count per Kg)</th> </tr> </thead> <tbody> <tr> <td>Fancy Super Mammoth Halves</td> <td>&lt; 440 units / kg</td> </tr> <tr> <td>Fancy Mammoth Halves</td> <td>440-550 units /kg</td> </tr> <tr> <td>Fancy Junior Mammoth Halves</td> <td>551-660 units / kg</td> </tr> <tr> <td>Fancy Jumbo Halves</td> <td>661-770 units / kg</td> </tr> <tr> <td>Fancy Extra Large Halves</td> <td>771-990 units / Kg</td> </tr> </tbody> </table>		Description	Size (count per Kg)	Fancy Super Mammoth Halves	< 440 units / kg	Fancy Mammoth Halves	440-550 units /kg	Fancy Junior Mammoth Halves	551-660 units / kg	Fancy Jumbo Halves	661-770 units / kg	Fancy Extra Large Halves	771-990 units / Kg
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<b>Product Description:</b>	<p>Bulk Shelled Pecans (<i>Carya illinoensis</i>) Halves and pieces packaged in 10 Kgs (22 lbs) cartons.            Pecan kernel can be from mixed varieties.</p>													
<b>Definitions:</b>	<p><b>Halves:</b> Pecan halves will be an entire pecan kernel with not more than oneeighth of its original volume missing.</p> <p><b>Foreign Objects:</b> Includes any product that is not kernel and/or shell. Examples of foreign objects are plastic, metal and glass.</p> <p><b>Lower Grade Kernel:</b> Includes those kernels that would be classified into either the choice or breaking stock grades.  <i>Choice:</i> light weight, excessively thin or shrivelled, can be a slightly darker colour.  <i>Breaking Stock:</i> either full bodied or light weight, dark amber colour, blotchy or inconsistent</p>													
<b>Net Weight:</b>	10 kg (22 lbs) per box.													
<b>Allergens:</b>	Contains: Tree Nuts													
<b>Country of Origin:</b>	Processed and packed in Argentina or Brazil													
<b>GM Status:</b>	No Genetically Modified product is used.													

<b>Labelling:</b>	Labeling on the carton include Product Name, Lot Number, Manufacturing Date and Net weight of the item.												
<b>Shelf Life:</b>	Max 18 months from date of manufacture under recommended storage conditions.												
<b>Storage:</b>	Finished product must be stored in a cool, dry, hygienic place out of direct sunlight, which is free from infestation.  Refrigeration at a temperature below of 0°C (32°F) is preferred.												
<b>Packaging:</b>	<b>Primary Package:</b> Product shall be vacuum packed, and heat sealed in 10 kgs clear polyethylene liners. Liners shall also be nitrogen flushed.  <b>Secondary Package:</b> The product will be packed in a clean food grade cardboard carton which has been taped shut.												
<b>Physical Specifications:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: center;">Parameter</th> <th style="text-align: center;">Tolerance</th> </tr> </thead> <tbody> <tr> <td>Shell Content</td> <td style="text-align: center;">&lt; 0,05%</td> </tr> <tr> <td>Foreign Objects</td> <td style="text-align: center;">0 %</td> </tr> <tr> <td>Dark Colour (Dark Ámbar)</td> <td style="text-align: center;">&lt; 3%</td> </tr> <tr> <td>Pieces and/or Particles / Dust Content</td> <td style="text-align: center;">&lt; 15%</td> </tr> <tr> <td>Lower Grade Kernel</td> <td style="text-align: center;">&lt; 3%</td> </tr> </tbody> </table>	Parameter	Tolerance	Shell Content	< 0,05%	Foreign Objects	0 %	Dark Colour (Dark Ámbar)	< 3%	Pieces and/or Particles / Dust Content	< 15%	Lower Grade Kernel	< 3%
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## 2. Nutrition Facts:

Nutrient	Per 100 grs of shelled pecan nuts
Energy (kcal)	716
Energy (kJ)	2996
Available Carbohydrates (g)	9.15
Protein (g)	10.36
Total Fat (g)	70.85
Saturated Fat (g)	5.8
Trans Fat (g)	< 0.10
Dietary Fiber (g)	4.1
Sodium (mg)	3.54
Cholesterol (mg)	< 0.10

**3. Vitamins:**

Vitamin	Result	Unit
Vitamin B1	1.13	mg/100g
Vitamin B2	0.33	mg/100g
Vitamin B3	1.27	mg/100g
Vitamin B5	1.15	mg/100g
Vitamin B6	0.53	mg/100g
Vitamin B9	<LC=30	µg/100g
Vitamin B12	n/d	
Vitamin E	2.1	mg/100g

**4. Microbiological Results:**

Test Performed	Result	Unit
Total Coliform Count	< 100	UFC/g
Escherichia Coli	None	in 1g
Thermo tolerant Bacteria	No development seen	NMP/g
Yeast and Mold Count	< 200	UFC/g
Salmonella sp.	None	in 25 g
Staphylococcus aureus	None	UFC/g
Mesophilic Aerobic Count	< 5000	UFC/g

**5. Physicochemical Qualities**

Test Performed	Per 100 grs of shelled pecan nuts
Moisture	4.5 Max
Peroxide Index	< 5 mEq/kg

**6. Aflatoxin Residue**

Aflatoxin	Result
Aflatoxins: B1; B2	Not Detected
Aflatoxins: G1; G2	Not Detected
Total Aflatoxins	Not Detected

## 7. Organoleptic Specifications

Test Performed	Criteria
Appearance / Size	As per definitions of kernel size
Colour	Light Amber / Amber
Aroma	Characteristic - Fresh and nutty with no objectionable aromas
Flavour	Pleasantly sweet, slightly tart. No Rancid Flavour
Texture	Subtle texture