

## PRODUCT SPECIFICATION

<b>MACADAMIA PREMIUM WHOLES (Style 0)</b>			
<b>This Specification supersedes all previous specifications</b>			
<b>Description</b>	Macadamia kernel is held on a 20mm round mesh. Contains at least 95% whole kernel (w/w), with the remainder being mainly halves (w/w). This is an all-natural product and may therefore be subject to seasonal colour and flavour variations.		
<b>Origin</b>	Australia		
<b>Grade</b>	Premium		
<b>Size</b>	>20mm		
<b>Intended Use</b>	This product is intended for human consumption, either in its present form or after further processing.		
<b>GM Status</b>	No genetically modified macadamias are used in this product.		
<b>Physical Specification</b> (As per Macadamia Australia Society Standards requirements)	<b>Tests Performed</b>	<b>Test Procedure</b>	<b>Results</b>
	Moisture	Halogen Lamp Balance	≤1.8%
	Shell	Visual separation	Nil
	Whole kernel	Visual separation	≥95% w/w
	Commercial kernel	Visual separation	≤3%
Reject kernel	Visual separation	≤1%	

## FOREIGN MATERIALS

<b>FOREIGN MATTER</b>	<b>LEVEL</b>	<b>MAXIMUM</b>
Classified as Stalks, Stems, Extraneous Plant Matter	Target NIL	0.01%
Loose Macadamia Shell	Target NIL	1 piece per 100kg MAXIMUM

### CHEMICAL DATA

	PARAMETER	LIMITS	TEST METHODS
+	Moisture	≤1.8%	Halogen Lamp Balance
+	Acid Value	≤0.5% calculated as Oleic acid	AOCS Cd. 3a-63
+	Peroxide Value	<3 meq/kg	Cold Press, AOCS Cd 8b-90
+	Aflatoxin (B1, B2, G1, G2)	< 15mg/kg	Liquid Chromatography/Mass Spectrometry

### MICROBIOLOGY DATA

	PARAMETER	LIMITS	TEST METHODS
+	Standard Plate Count	<30,000 cfu/g	AOAC 990.12
+	Mould & Yeast Count	<20,000 cfu/g	A.S. 5013.29 – 2009
+	Total Coliforms	≤350 cfu/g	A.S. 5013.3 – 2009
+	<i>E. coli</i>	<3 cfu/g	A.S. 5013.15 - 2006
+	<i>Salmonella spp.</i>	Not detected in 250g	A.S. 5013.10 – 2009

### ADDITIONAL INFORMATION

#### REGULATORY COMPLIANCE

This Product complies with the provision specified in the current edition of the “Food Standards Code Australia and New Zealand” (FSANZ), as amended and all other relevant Australian legislations. Refer to this web site to ensure compliance [www.foodstandards.gov.au](http://www.foodstandards.gov.au).

#### CONTAMINANTS AND RESIDUES

This Product complies with the provisions specified in the Australian Standards 1.4.1 and 1.4.2 of FSANZ for Contaminants, Natural Toxicants and Maximum Residue Limits in Food.

#### KEY PERFORMANCE CRITERIA

Those parameters highlighted with a + on page 2 denote that the results may be included on the Certificate of Analysis.

#### PHYSICAL PARAMETERS

<b>FLAVOUR:</b>	Typical of raw macadamias, free from off or objectionable flavours
<b>APPEARANCE:</b>	Free flowing whole and half kernels
<b>COLOUR:</b>	White to Cream
<b>TEXTURE:</b>	Typical of Macadamias – Firm and Crunchy

**PACKAGING**

The Product is packed into sealed laminated foil bags in fibreboard cartons. The external carton dimensions are 385mm x 285mm x 195mm, with a volume of 0.021m<sup>3</sup> and a gross weight of 11.76kg.

**STORAGE & SHELF LIFE**

Storage condition: store in original packaging in a cool (10-15°C), dry area, free from toxic chemicals, odours, insect, and rodent infestation.

Shelf life: for Raw Macadamia is 24 months from the date of manufacture if packaged and stored as per the above conditions.

**DEFINITIONS**

- Premium kernel is defined as fully matured kernel free from significant defects/disorders in its current form.
- Commercial kernel is defined as a kernel exhibiting minor defects/disorders but fit for human consumption.
- Whole kernel is kernel that is not split or separated into halves, with not more than ¼ of the kernel missing, given that the kernel contour is not materially affected by the missing portion.
- Half kernel means approximately half of a whole kernel as it normally separates.
- Loose shell means any loose shell, which will not pass through a 3mm round opening.

**NUTRITION**

<b>NUTRIENT RAW MACADAMIA</b>	<b>AVERAGE QUANTITY PER SERVING (35g)</b>	<b>AVERAGE QUANTITY PER 100g</b>
Protein	2.7	7.7g
Total Fat	26.7g	76.3g
-Saturated Fat	3.8g	10.9g
-Monounsaturated Fat	20.93g	59.8g
-Polyunsaturated Fat	1.33g	3.8g
-Trans Fat	0.0g	0.0g
Fibre - dietary	2.1g	6.0g
Carbohydrate -total	3.2g	10.9g
-sugars	1.6g	4.6g
Sodium	1.1mg	3.14mg
Energy	1070kJ (256cal)	3070kJ (734cal)

**ALLERGEN INFORMATION**

<b>FOOD ALLERGENS</b>	<b>PRESENT IN RAW MATERIALS</b>	<b>PRESENT ON SAME PROCESSING LINE</b>
Cereals containing gluten and their products, namely: wheat, rye, barley, oats, spelt and their hybridised strains	<input type="checkbox"/>	<input type="checkbox"/>
Crustacea and crustacean products	<input type="checkbox"/>	<input type="checkbox"/>
Egg and egg products	<input type="checkbox"/>	<input type="checkbox"/>
Fish and fish products (including molluscs and oil)	<input type="checkbox"/>	<input type="checkbox"/>
Milk and milk products	<input type="checkbox"/>	<input type="checkbox"/>
Tree nuts and tree nut products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sesame seed and sesame seed products	<input type="checkbox"/>	<input type="checkbox"/>
Peanuts and peanut products (including peanut oil)	<input type="checkbox"/>	<input type="checkbox"/>
Soybean and soybean products (including soybean oils)	<input type="checkbox"/>	<input type="checkbox"/>
Sulphites	<input type="checkbox"/>	<input type="checkbox"/>

**ADVISORY STATEMENTS**

<b>DIETARY CLAIMS</b>	
Suitable for Vegetarians ✓	Suitable for Lacto-Ovo Vegetarians ✓
Suitable for Lacto Vegetarians ✓	Suitable for Vegans ✓
Suitable for Coeliacs ✓	Halal Suitable ✓