



Head Office: The Old Grammar School, 3-7 Market Square, Amersham, Bucks. HP7 ODF  
Tel: (44) 1494 434600 Email: [foodnettechnical@foodnet.ltd.uk](mailto:foodnettechnical@foodnet.ltd.uk)

| Technical Specification                     |                                   |                                |
|---------------------------------------------|-----------------------------------|--------------------------------|
| <b>Product:</b><br>Bamboo Shoots Sliced IQF | <b>Last Update:</b><br>31/01/2026 | <b>Product Code:</b><br>BAM002 |

**PACK SIZE** 1 x 10Kg

**ORIGIN:** China

**GENERAL** The product shall be prepared from fresh sound raw material that is free from all toxic residues and taints and shall comply with all current UK/EU Food Legislation. The product is intended to be used as ingredient that is further processed and heat-treated before final consumption (minimum of +75°C for 30 seconds).

**INGREDIENTS** Bamboo Shoots 100% Declare as: Bamboo Shoots  
(*Phyllostachys pubescens*)

**PROCESSING** Bamboo shoots are delivered fresh to the factory, each load is sampled and assessed for foreign material and physical defects. The load is then cooked, peeled, trimmed, cut, washed, blanched, cooled, frozen and filled into bulk palletainers. The julienne bamboo shoots are sampled and assessed against specification. The palletainers are then labelled and transferred to the cold store, where they are stored at -18°C until required for packing.

**PACKING** During packing the bamboo shoots are inspected before weighing and filling into blue poly lined cartons. The cartons are Best Before and Production date coded, check weighed, metal detected, palletised and stretch-wrapped before being returned to store at -18°C to await despatch to the UK at -18°C.

#### **DEFECT TOLERANCES**

##### **Per 500g**

|                      |        |
|----------------------|--------|
| Clumps               | 5%w/w  |
| Foreign Matter       | Nil    |
| EVM                  | 1      |
| Major discolouration | 1      |
| Minor discolouration | 10     |
| Blemish              | 5      |
| Broken Slices        | 8%w/w  |
| Out of Size          | 20%w/w |

#### **DEFINITIONS OF DEFECTS**

##### **Clumps**

This is where 3 or more slices are welded together so that the slices cannot be readily separated without causing damage to the slices.

|                     |                           |                |                               |                                   |
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### **Foreign Material**

This includes any material not derived from the bamboo plant or defined as EVM. Examples of Foreign Matter include insects, pieces of insects, wood, glass, stones, metal, toxic berries, seed or flower heads, snails, slugs or any other material which will render the product unacceptable.

### **Extraneous Vegetable Matter (EVM)**

Vegetable material derived from the bamboo plant other than the bamboo e.g. pieces of core, leaf, calyx etc. Vegetable material not from the bamboo plant will be counted as Foreign material.

### **Major Discolouration**

This includes slices with black spots, dark brown colour over 6mm in length.

### **Minor Discolouration**

This includes slices with slight black spots, dark brown colour of between 3-6mm in length, tint of pink or discolouration of tissue (due to prolonged storage or cooking).

### **Blemish**

This includes units which are blemished through damage by insects or mechanical means.

### **Broken Slices**

This includes slices that are less than half their nominal declared size in any dimension.

### **Out of Size**

Any unit with a Length <30mm or >50mm, Width <10mm or >15mm or Thickness <2.5mm or >3.5mm

|                     |                           |                |                               |                                   |
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**ORGANOLEPSIS** (Carried out on a thawed sample.)

**COLOUR** Light yellow or white.

**FLAVOUR** Typical neutral taste of bamboo shoots with no off flavours.

**TEXTURE** Shall be crisp without woodiness.



Average sample

|                     |                           |                |                               |                                   |
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#### **MICROBIOLOGICAL**

| Organism               | Target          | Maximum         |
|------------------------|-----------------|-----------------|
| <i>TVC @ 30°C</i>      | $1 \times 10^5$ | $1 \times 10^6$ |
| <i>Total Coliforms</i> | $1 \times 10^2$ | $1 \times 10^3$ |
| <i>E. coli</i>         | Nil             | $1 \times 10^2$ |
| <i>Listeria mono</i>   | Absent in 25g   | $1 \times 10^2$ |
| <i>Salmonella</i>      | Absent in 25g   | Absent in 25g   |

**ANALYTICAL** Product shall be blanched to give a trace positive peroxidase reaction (guaiacol test) between 60 and 90 seconds.

**WEIGHT CONTROL** The product shall be packed to minimum weight.

**METAL DETECTION** All cartons shall be passed through a metal detector. The system shall be tested at least every 2 hours using ferrous, non-ferrous and stainless-steel test pieces.

**BEST BEFORE DATE** The product shall be twenty-four months following the month of packing. Minimum BB date on delivery: 6 months.

**TRACEABILITY INFO** Production date or Lot number printed on the label as well as customer order number and/or delivery date.

**STORAGE CONDITIONS** Keep frozen at - 18°C at all times.

**CARTON LINERS** Blue food grade polythene liner of a minimum thickness of 30µm.

**CARTONS** Corrugated fibreboard of glued construction, no metal staples to be used. Shall be sealed using blue adhesive tape.

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## **NUTRITIONAL INFORMATION**

This data conforms to the requirements of EC Council Directive 90/496/EEC

100g of uncooked bamboo typically contains: -

| Parameter               | Value / 100g | Methodology                                 |
|-------------------------|--------------|---------------------------------------------|
| Energy - kcal           | 11           | McCance & Widdowson 5 <sup>th</sup> Edition |
| Energy - kJ             | 45           | McCance & Widdowson 5 <sup>th</sup> Edition |
| Moisture                | 95.5g        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Carbohydrate            | 0.7g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as sugars             | 0.7g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as polyols            | 0.0g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as starch             | Trace        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Fat                     | 0.2g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as saturates          | Trace        | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as mono unsaturates   | Trace        | McCance & Widdowson 5 <sup>th</sup> Edition |
| - as poly unsaturates   | 0.1g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| Protein                 | 1.5g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| Fibre                   | 1.7g         | McCance & Widdowson 5 <sup>th</sup> Edition |
| Sodium                  | 4mg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin A               | 2µg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin B <sub>6</sub>  | 0.00mg       | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin B <sub>12</sub> | 0µg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin C               | Trace        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin D               | 0.0µg        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Vitamin E               | 0.00mg       | McCance & Widdowson 5 <sup>th</sup> Edition |
| Thiamin                 | 0.09mg       | McCance & Widdowson 5 <sup>th</sup> Edition |
| Riboflavin              | 0.06mg       | McCance & Widdowson 5 <sup>th</sup> Edition |
| Niacin                  | 0.5mg        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Folic Acid              | 0µg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Biotin                  | 0.0µg        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Pantothenic Acid        | 0.00mg       | McCance & Widdowson 5 <sup>th</sup> Edition |
| Calcium                 | 13mg         | McCance & Widdowson 5 <sup>th</sup> Edition |
| Phosphorus              | 39mg         | McCance & Widdowson 5 <sup>th</sup> Edition |
| Iron                    | 0.4mg        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Magnesium               | 3mg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Zinc                    | 1.1mg        | McCance & Widdowson 5 <sup>th</sup> Edition |
| Iodine                  | 0µg          | McCance & Widdowson 5 <sup>th</sup> Edition |
| Potassium               | 530mg        | McCance & Widdowson 5 <sup>th</sup> Edition |

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### **GMO DECLARATION**

I confirm that this product is not genetically modified or produced from genetically modified organisms. No genetically modified organisms have been used as processing aids or additives. This product does not require specific GM labelling as per Regulation (EC) 1829/2003.

Name: Gianluca Oberto

Job Title: Technical Manager

Signature: 

Date: 31<sup>st</sup> January 2026

### **IRRADIATION POLICY**

I confirm that the product supplied by Foodnet Limited under this specification has not undergone any irradiation treatment or process. I further confirm that no ingredient or processing aid used in conjunction with this product has undergone irradiation treatment.

Name: Gianluca Oberto

Job Title: Technical Manager

Signature: 

Date: 31<sup>st</sup> January 2026

### **COSHH Data**

Treat as you would any frozen material i.e. if engaged in prolonged handling of the fruit wear gloves.

Care should be used when lifting full cases of frozen fruits.

There are no other perceived COSHH implications regarding the use of frozen fruits.

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## **FOOD INTOLERANCE**

| <b>Food Intolerance Data</b>                                                                                                                                               |                     |                                   |                     |                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------|---------------------|----------------|
| Does the material supplied contain any of the following? (NO) Absent, (YES) Present                                                                                        |                     |                                   |                     |                |
| <b>Allergen</b>                                                                                                                                                            | <b>NO / YES</b>     | <b>Reason for presence if YES</b> |                     |                |
| Milk & Milk Derivatives                                                                                                                                                    | NO                  |                                   |                     |                |
| Egg & Egg Derivatives                                                                                                                                                      | NO                  |                                   |                     |                |
| Animal Products (*)                                                                                                                                                        | NO                  |                                   |                     |                |
| Fish/Shellfish/Crustaceans/Molluscs                                                                                                                                        | NO                  |                                   |                     |                |
| Cereals (**)                                                                                                                                                               | NO                  |                                   |                     |                |
| Gluten                                                                                                                                                                     | NO                  |                                   |                     |                |
| Yeast/Yeast Extract                                                                                                                                                        | NO                  |                                   |                     |                |
| Soya/Soya Derivatives                                                                                                                                                      | NO                  |                                   |                     |                |
| Fruit & Fruit Derivatives                                                                                                                                                  | NO                  |                                   |                     |                |
| Beef & Beef Products                                                                                                                                                       | NO                  |                                   |                     |                |
| Pork & Pork Products                                                                                                                                                       | NO                  |                                   |                     |                |
| Lamb & Lamb Products                                                                                                                                                       | NO                  |                                   |                     |                |
| Poultry & Poultry Products                                                                                                                                                 | NO                  |                                   |                     |                |
| Legumes                                                                                                                                                                    | NO                  |                                   |                     |                |
| Peanuts                                                                                                                                                                    | NO                  |                                   |                     |                |
| Sulphite >10ppm                                                                                                                                                            | NO                  |                                   |                     |                |
| MSG                                                                                                                                                                        | NO                  |                                   |                     |                |
| BHA / BHT                                                                                                                                                                  | NO                  |                                   |                     |                |
| Benzoates                                                                                                                                                                  | NO                  |                                   |                     |                |
| Glutamates                                                                                                                                                                 | NO                  |                                   |                     |                |
| Azo & Coal Tar Dyes                                                                                                                                                        | NO                  |                                   |                     |                |
| Added Colour                                                                                                                                                               | NO                  |                                   |                     |                |
| Added Flavour                                                                                                                                                              | NO                  |                                   |                     |                |
| Preservatives                                                                                                                                                              | NO                  |                                   |                     |                |
| Antioxidants                                                                                                                                                               | NO                  |                                   |                     |                |
| Added Salt                                                                                                                                                                 | NO                  |                                   |                     |                |
| Nuts/Nut Oils                                                                                                                                                              | NO                  |                                   |                     |                |
| Caffeine                                                                                                                                                                   | NO                  |                                   |                     |                |
| Sesame Products                                                                                                                                                            | NO                  |                                   |                     |                |
| Garlic                                                                                                                                                                     | NO                  |                                   |                     |                |
| Poppy Seeds                                                                                                                                                                | NO                  |                                   |                     |                |
| Mustard                                                                                                                                                                    | NO                  |                                   |                     |                |
| Celery/Celeryiac                                                                                                                                                           | NO                  |                                   |                     |                |
| Lupins                                                                                                                                                                     | NO                  |                                   |                     |                |
| *Including any product derived from slaughtered animals, e.g. gelatine, rennet                                                                                             |                     |                                   |                     |                |
| **Including wheat, corn, barley, rye, oats, etc.                                                                                                                           |                     |                                   |                     |                |
| <b><u>Please be aware the manufacturing sites we supply this item from may handle allergens in production. Procedures are in place to prevent cross-contamination.</u></b> |                     |                                   |                     |                |
| <b>Is this product Suitable for:</b>                                                                                                                                       |                     |                                   |                     |                |
| <b>Vegans</b>                                                                                                                                                              | Yes (Not certified) | <b>Vegetarians</b>                | Yes                 | <b>Organic</b> |
| <b>Halal</b>                                                                                                                                                               | Yes (Not certified) | <b>Kosher</b>                     | Yes (Not certified) |                |

|                     |                           |                |                               |                                   |
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### **FOOD ADDITIVES**

| E. Number | Name | In Which Ingredient | Function in Ingredient | Function in Final Product | % In Final Product |
|-----------|------|---------------------|------------------------|---------------------------|--------------------|
| None      |      |                     |                        |                           |                    |
|           |      |                     |                        |                           |                    |

THE CONTENTS OF THIS SPECIFICATION ARE CONFIDENTIAL TO FOODNET LTD AND THE CUSTOMER, AND MAY NOT BE DISCLOSED TO ANY OTHER PARTY.

Signed on behalf of Foodnet Ltd:

Name: Gianluca Oberto

Job Title: Technical Manager

Signature: 

Date: 31<sup>st</sup> January 2026

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

|                     |                           |                |                               |                                   |
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## **PROCESS INFORMATION**

### **PROCESS FLOW CHART\***

\*Note: this is a generic flow chart which does not refer to any specific production site.

#### **SLICED BAMBOO SHOOTS**

Harvest → Raw Material QA Check



Cooking



Peeling



Trimming



Slicing



Washing



Blanched



Cooling



Freezing → -18°C QA Check



Inspection



Carton Fill → QA Check



Check Weigh



Metal Detection → QA Check



Palletise



Cold Storage → -18°C



Despatch → -18°C

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### Issues & Amendments

| Issue N° | Amend. N° | Date       | Amendments                                                                                                                                                             | Compiled by |
|----------|-----------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 1        | 1         | 01/02/2016 | New entry                                                                                                                                                              | G. Oberto   |
| 2        | 1         | 01/05/2017 | Defect tolerances – minimum ref samples; Reviewed BB and Traceability info. Added Storage Conditions. Reviewed Food Intolerance table, Flow Chart and Amendment table. | G. Oberto   |
| 3        | 1         | 31/01/2020 | 3 Year update – general revision                                                                                                                                       | G. Oberto   |
| 4        | 1         | 31/01/2023 | 3 Year update – general revision                                                                                                                                       | F. Soares   |
| 5        | 1         | 31/01/2026 | 3 Year update – general revision                                                                                                                                       | F. Soares   |
|          |           |            |                                                                                                                                                                        |             |
|          |           |            |                                                                                                                                                                        |             |
|          |           |            |                                                                                                                                                                        |             |
|          |           |            |                                                                                                                                                                        |             |
|          |           |            |                                                                                                                                                                        |             |
|          |           |            |                                                                                                                                                                        |             |
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