



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> Brown Rice IQF	<b>Last Update:</b> 31/01/2023	<b>Product Code:</b> RIC003

**PACK SIZE** 1 x 10kg, 1 x 20kg; 1 x 25kg;

**ORIGIN:** Cambodia, Thailand, Italy, Spain, Greece, Guyana

**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** Water, Rice Brown Declare as: Brown Rice

**PROCESSING** Brown rice is delivered to the factory, each load is samples and assessed for foreign material and physical defects. The load is then cleaned, cooked, cooled, frozen and filled in blue sacks.

**PACKING** During packing, the rice is inspected before weighing and filling into blue poly sacks. The cartons are Best Before and Production date coded, check weighed and metal detected, palletised and stretch wrapped before being returned to store at –23°C to await despatch.

#### **DEFECT TOLERANCES**

##### **Per 1000g**

Clumps (>10mm dia)	5% w/w
Foreign Material	Nil
E.V.M.	Nil
Colour Variant	1.5%w/w
Broken Grains	10% w/w

#### **DEFINITIONS OF DEFECTS**

##### **Clumps**

These are where grains of rice are fused together, and cannot be readily separated, in clumps larger than 10mm in diameter.

##### **Foreign Material**

This includes any material not derived from the rice plant or defined as EVM, such as insects, pieces of insects, wood, glass, stones, metal, sand, grit, plastic or any other material which will render the product unacceptable.

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

Vegetable material derived from the rice plant other than the rice grains e.g. pieces of husk. Vegetable material not from the rice plant will be counted as Foreign Material.

### **Colour Variant**

Are described as any paddy kernels, heat-blackened grains, discoloured grains or red rice. Paddy kernels are described as unmilled grains still bearing the husk

### **Broken Grains**

These are grains which on inspection appear to be less than 75% of the size of the original grain.

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

**COLOUR** Uniform and bright with a brown colouration;

**FLAVOUR** Natural, characteristic flavour, typical of the type of rice, with no off-flavours or taints.

**TEXTURE** Grains uniformly firm and 'tender', rice neither soft nor chalky. Once cooked, the individual rice grains shall separate easily.



Average sample

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#### **MICROBIOLOGICAL**

Organism	Target	Maximum
<i>TVC @ 30°C</i>	$1 \times 10^4$	$1 \times 10^5$
<i>Coliforms</i>	$5 \times 10^2$	$5 \times 10^3$
<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** N/A

**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.

**SACKS** Blue food grade polythene sack of a minimum thickness of 110µm

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## **NUTRITIONAL INFORMATION**

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

100g of processed rice typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	141	McCance & Widdowson 5 <sup>th</sup> Edition
Energy - kJ	597	McCance & Widdowson 5 <sup>th</sup> Edition
Moisture	66.0g	McCance & Widdowson 5 <sup>th</sup> Edition
Carbohydrate	32.1g	McCance & Widdowson 5 <sup>th</sup> Edition
- as sugars	0.5g	McCance & Widdowson 5 <sup>th</sup> Edition
- as polyols	0.4g	McCance & Widdowson 5 <sup>th</sup> Edition
- as starch	31.6g	McCance & Widdowson 5 <sup>th</sup> Edition
Fat	1.1g	McCance & Widdowson 5 <sup>th</sup> Edition
- as saturates	0.3g	McCance & Widdowson 5 <sup>th</sup> Edition
- as mono unsaturates	0.3g	McCance & Widdowson 5 <sup>th</sup> Edition
- as poly unsaturates	0.4g	McCance & Widdowson 5 <sup>th</sup> Edition
Protein	2.6g	McCance & Widdowson 5 <sup>th</sup> Edition
Fibre	1.5g	McCance & Widdowson 5 <sup>th</sup> Edition
Sodium	1.0mg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin A	0.0µg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin B <sub>6</sub>	0.0mg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin B <sub>12</sub>	0.0µg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin C	0.0mg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin D	0.0µg	McCance & Widdowson 5 <sup>th</sup> Edition
Vitamin E	0.3mg	McCance & Widdowson 5 <sup>th</sup> Edition
Thiamin	0.14mg	McCance & Widdowson 5 <sup>th</sup> Edition
Riboflavin	0.02mg	McCance & Widdowson 5 <sup>th</sup> Edition
Niacin	1.3mg	McCance & Widdowson 5 <sup>th</sup> Edition
Folic Acid	10µg	McCance & Widdowson 5 <sup>th</sup> Edition
Biotin	0.0µg	McCance & Widdowson 5 <sup>th</sup> Edition
Pantothenic Acid	0.0mg	McCance & Widdowson 5 <sup>th</sup> Edition
Calcium	4.0mg	McCance & Widdowson 5 <sup>th</sup> Edition
Phosphorus	120mg	McCance & Widdowson 5 <sup>th</sup> Edition
Iron	0.5mg	McCance & Widdowson 5 <sup>th</sup> Edition
Magnesium	4.3mg	McCance & Widdowson 5 <sup>th</sup> Edition
Zinc	0.7mg	McCance & Widdowson 5 <sup>th</sup> Edition
Iodine	0.0µg	McCance & Widdowson 5 <sup>th</sup> Edition
Potassium	99mg	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 2023

### **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 2023

### **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 (**)	YES		Rice	
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>Please be aware the manufacturing sites we supply this item from may handle allergens in production. Procedures are in place to prevent cross-contamination.</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**


<b>E. Number</b>	<b>Name</b>	<b>In Which Ingredient</b>	<b>Function in Ingredient</b>	<b>Function in Final Product</b>	<b>% In Final Product</b>

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 2023

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

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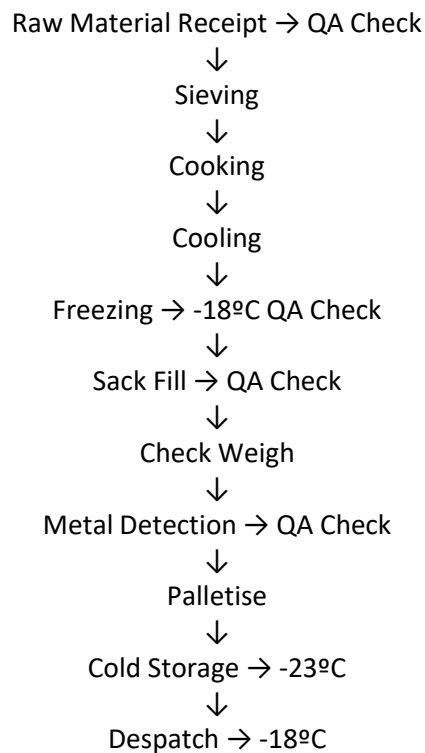
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## **PROCESS INFORMATION**

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

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

#### **BROWN RICE**



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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

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