



Head Office: The Old Grammar School, 3-7 Market Square, Amersham, Bucks. HP7 0DF  
Tel: (44) 1494 434600 Fax: (44) 1494 434435  
Email: [foodnettechnical@foodnet.ltd.uk](mailto:foodnettechnical@foodnet.ltd.uk)

## **Product Specification**

### **Strawberry Diced 10mm**

Date: 1<sup>st</sup> May 2017

Page 1 of 11

#### **PACK SIZE**

1 x 18kg

#### **ORIGIN:**

Morocco / 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.

#### **INGREDIENTS**

Strawberries 100%

Declare as: Strawberries  
(*Fragaria virginiana*)

#### **PROCESSING**

Strawberries are delivered fresh to the factory, each load is quality assurance sampled for foreign material and physical defects. The strawberries are de-stalked, washed, diced, inspected and frozen to -18°C or below.

#### **PACKING**

During packing the strawberries are inspected before being weighed and filled 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 -23°C to await despatch to the UK, at -18°C.

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**QUALITY CONTROL** Checks are carried out on the following: -

Processing: -	Raw material Final Product Temperature
Packing: -	Metal detection Check weighing Final product physical defect levels Organolepsis Case quantity Case sealing Case coding and print quality

**DEFECT TOLERANCES** Product shall be checked at least hourly against the following tolerances for defects: -**Per 1000g**

Clumps	5% w/w
Foreign Matter (FM)	Nil
EVM	1
Damaged	0.5% w/w
Colour Variants	3% w/w
Overripe/Underripe	2% w/w
Oversize (>12mm)	5% w/w
Undersize (<8mm)	20% w/w

**DEFINITIONS OF DEFECTS****Clumps**

This is where four or more dices are welded together which cannot be readily separated causing damage to the dice.

**Foreign Matter:**

Any matter of non-strawberry origin such as stones, soil, insects, maggots, wood, metal, plastic etc.

**EVM**

Extraneous vegetable matter from the fruit's plant or originating from other plants eg weeds leaf. Whole leaves or fragments of leaf tissue.

**Damaged**

These are berries which have been broken, rotten or badly squashed, causing a reduction in the diameter of the berry.

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**Colour Variants**

These are strawberry dice that have a conspicuously different colour to the rest of the sample i.e. brown or white/ green.

**Overripe**

This includes any strawberry dices which are very dark red, with a very soft texture.

**Underripe**

This includes any strawberry dices which are white or green as a result of immaturity.

**Size**

See table for definitions.

*The below minimum numbers of samples should be inspected and average result to be out-of-spec.*

Quantity Delivered (Kg)	Minimum samples to be taken (1Kg of product per each item)		
	10Kg Boxes	20Kg Bags	25Kg Bags
<1000	4	2	2
<2000	8	5	4
<5000	10	7	5
<10000	15	10	8
≤27000	20	15	12

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

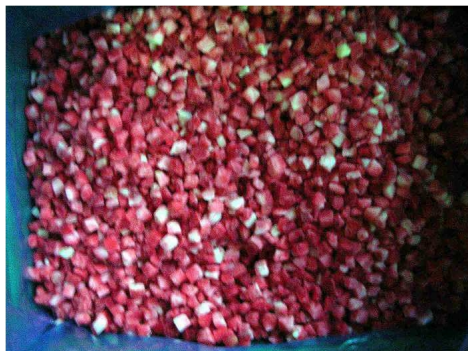
Red, typical of the variety.

**FLAVOUR**

Full, natural and characteristic strawberry flavour.

**TEXTURE**

Berries shall be firm but tender, and shall have substantially retained their shape.



Average sample

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**MICROBIOLOGICAL**

Organism	Target	Maximum
T V C @ 30°C	1 x 10 <sup>5</sup>	1 x 10 <sup>6</sup>
Total Coliforms	1 x 10 <sup>3</sup>	1 x 10 <sup>4</sup>
E. coli	< 1 x 10 <sup>1</sup>	1 x 10 <sup>2</sup>
Yeasts & Moulds	1 x 10 <sup>2</sup>	1 x 10 <sup>4</sup>
Listeria mono	Absent in 25g	1 x 10 <sup>2</sup>
Salmonella	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 e.g. if packed in May 2017 then BEST BEFORE END MAY 2019. Minimum BB date on delivery: 3 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.

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**NUTRITIONAL INFORMATION**

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

100g of uncooked strawberry typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	27	McCance & Widdowson 6 <sup>th</sup> Edition
Energy - kJ	116	McCance & Widdowson 6 <sup>th</sup> Edition
Moisture	88.9g	McCance & Widdowson 6 <sup>th</sup> Edition
Carbohydrate	6.2g	McCance & Widdowson 6 <sup>th</sup> Edition
- as sugars	6.2g	McCance & Widdowson 6 <sup>th</sup> Edition
- as polyols	0.0g	McCance & Widdowson 6 <sup>th</sup> Edition
- as starch	0.0g	McCance & Widdowson 6 <sup>th</sup> Edition
Fat	Trace	McCance & Widdowson 6 <sup>th</sup> Edition
- as saturates	Trace	McCance & Widdowson 6 <sup>th</sup> Edition
- as mono unsaturates	Trace	McCance & Widdowson 6 <sup>th</sup> Edition
- as poly unsaturates	Trace	McCance & Widdowson 6 <sup>th</sup> Edition
Protein	0.6g	McCance & Widdowson 6 <sup>th</sup> Edition
Fibre	2.0g	McCance & Widdowson 6 <sup>th</sup> Edition
Sodium	2mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin A	30µg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin B <sub>6</sub>	0.0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin B <sub>12</sub>	0.0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin C	60mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin D	0.0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin E	0.2mg	McCance & Widdowson 6 <sup>th</sup> Edition
Thiamin	0.0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Riboflavin	0.03mg	McCance & Widdowson 6 <sup>th</sup> Edition
Niacin	0.0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Folic Acid	20µg	McCance & Widdowson 6 <sup>th</sup> Edition
Biotin	1.0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Pantothenic Acid	0.0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Calcium	22mg	McCance & Widdowson 6 <sup>th</sup> Edition
Phosphorus	23mg	McCance & Widdowson 6 <sup>th</sup> Edition
Iron	0.7mg	McCance & Widdowson 6 <sup>th</sup> Edition
Magnesium	12mg	McCance & Widdowson 6 <sup>th</sup> Edition
Zinc	0.1mg	McCance & Widdowson 6 <sup>th</sup> Edition
Iodine	0.0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Potassium	160mg	McCance & Widdowson 6 <sup>th</sup> Edition

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**GMO DECLARATION**

Does the product, or any of its ingredients contain any genetically modified material (whether viable or not)? ~~YES~~ / NO

Is the product or any of its ingredients not substantially equivalent as a consequence of the use of genetic modification? ~~YES~~ / NO


Is the product or any of its ingredients produced from, but not containing any genetically modified material? ~~YES~~ / NO

Have genetically modified organisms been used as processing aids or additives used in connection with the production of the food or any of its ingredients? ~~YES~~ / NO

Have genetically modified organisms been used to produce processing aids or additives but where such genetically modified organisms are not present in the processing aid as used in connection with the production of the food or any of its ingredients? ~~YES~~ / NO

Name: Gianluca Oberto


Job Title: Technical Manager

Signature: Date: 1<sup>st</sup> May 2017**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: 1<sup>st</sup> May 2017

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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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/Crustations/Molluscs	NO	
Cereals (**)	NO	
Gluten	NO	
Yeast/Yeast Extract	NO	
Soya/Soya Derivatives	NO	
Fruit & Fruit Derivatives	YES	Strawberry 100%
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 / Celeriac	NO	
Lupins	NO	
*Including any product derived from slaughtered animals, e.g. gelatine, rennet **Including wheat, corn, barley, rye, oats, etc. Is the material suitable for: Vegetarians? Y / <del>N</del> Halal? Y / <del>N</del> (Not Certified)      Organic? <del>Y</del> / N Vegans? Y / <del>N</del> Kosher? Y / <del>N</del> (Not Certified)		
<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>		

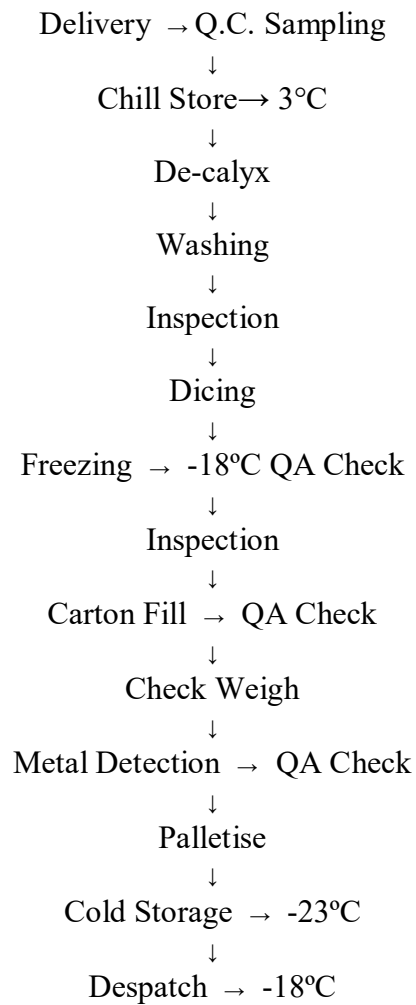
**FOOD ADDITIVES**

<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>
None					

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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.

**DICED STRAWBERRY**

Doc Ref: PRO-SPE	Issue date: 01.05.2017	Issue No: 2	Prepared by: G. Oberto	Authorised by: Rhys Owen
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**COSHH Data For Frozen Fruits**

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

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

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


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

*Please check our website ([www.foodnet.ltd.uk](http://www.foodnet.ltd.uk)) for updates on this spec.*

Signed on behalf of Foodnet Ltd:-

Name: Gianluca Oberto

Job Title: Technical Manager

Signature: 

Date: 1<sup>st</sup> May 2017

Signed on behalf of the Customer:-

Name:

Job Title:

Signature:

Date:

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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

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