



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

Technical Specification		
<b>Product:</b> Diced Courgette 6MM IQF	<b>Last Update:</b> 31/01/2023	<b>Product Code:</b> COU003

**PACK SIZE** 1 x 10kg;

**ORIGIN:** Spain

**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** Courgette 100% Declare as: Courgette  
(*Cucurbita pepo*)

**PROCESSING** Courgettes are harvested, trimmed, delivered to the factory. Each load is sampled and assessed for foreign material and physical defects. The load is then cleaned, inspected, diced, blanched, cooled, frozen and filled into bulk palletainers. Frozen courgette is 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, courgettes are inspected before weighing and filling into blue poly lined cartons. The cartons are Best Before and Production date coded, check weighed and 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**

<b><u>Per 500g</u></b>	<b><u>Target</u></b>	<b><u>Maximum</u></b>
Clumps	5% w/w	10% w/w
Foreign Material	Nil	Nil
EVM	Nil	1
Major Blemish	1	3
Minor Blemish	5	10
Colour Variants	2% w/w	5% w/w
Oversize (L >12mm)	5% w/w	10% w/w
Undersize (L <3mm)	5% w/w	10% w/w

#### **DEFINITIONS OF DEFECTS**

##### **Clumps**

These are where three or more dice are frozen together which cannot be readily separated without causing damage to the dice.

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### **Foreign Material**

This includes any material not derived from the courgette 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.

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

Vegetable material derived from the courgette plant (other than the courgette flesh) e.g. pieces of leaf, stalk etc. Vegetable material not from the courgette plant will be counted as Foreign material.

### **Major Blemish**

This includes courgette dice that are blemished to the extent that the area affected is greater than 6mm in diameter, either as a single blemish or an aggregate of blemishes on the same dice.

### **Minor Blemish**

This includes courgette dice that are blemished to the extent that the area affected is between 2mm and 6mm in diameter, either as a single blemish or an aggregate of blemishes on the same die. Blemishes less than 2mm in diameter shall be ignored.

### **Colour Variants**

This includes dice that are conspicuously different in colour to the rest of the sample, usually of a brown colouration.

### **Oversize**

These are dice that are greater than 12mm in any dimension.

### **Undersize**

These are dices that are less than 3mm in any dimension.

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

**COLOUR** Uniform, bright white or creamy white flesh, with no grey tints.  
Skins shall be uniform and bright, medium to dark green.

**FLAVOUR** Full, natural and characteristic courgette flavour.

**TEXTURE** Flesh and skins shall be uniformly tender and firm.



Average sample

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### **MICROBIOLOGICAL**

<b>Organism</b>	<b>Target</b>	<b>Maximum</b>
<i>TVC @ 30°C</i>	$1 \times 10^5$	$1 \times 10^5$
<i>Total Coliforms</i>	$1 \times 10^2$	$1 \times 10^3$
<i>E. coli</i>	$1 \times 10^1$	$1 \times 10^2$
<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 negative peroxidase reaction (guaiaicol test) between 50 and 60 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 courgette typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	18	McCance & Widdowson 6 <sup>th</sup> Edition
Energy - kJ	74	McCance & Widdowson 6 <sup>th</sup> Edition
Moisture	93.7g	McCance & Widdowson 6 <sup>th</sup> Edition
Carbohydrate	1.8g	McCance & Widdowson 6 <sup>th</sup> Edition
- as sugars	1.7g	McCance & Widdowson 6 <sup>th</sup> Edition
- as polyols	0.0g	McCance & Widdowson 6 <sup>th</sup> Edition
- as starch	0.1g	McCance & Widdowson 6 <sup>th</sup> Edition
Fat	0.4g	McCance & Widdowson 6 <sup>th</sup> Edition
- as saturates	0.1g	McCance & Widdowson 6 <sup>th</sup> Edition
- as mono unsaturates	0.0g	McCance & Widdowson 6 <sup>th</sup> Edition
- as poly unsaturates	0.2g	McCance & Widdowson 6 <sup>th</sup> Edition
Protein	1.8g	McCance & Widdowson 6 <sup>th</sup> Edition
Fibre	0.9g	McCance & Widdowson 6 <sup>th</sup> Edition
Sodium	1mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin A	101µg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin B <sub>6</sub>	0.15mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin B <sub>12</sub>	0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin C	12mg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin D	21µg	McCance & Widdowson 6 <sup>th</sup> Edition
Vitamin E	0mg	McCance & Widdowson 6 <sup>th</sup> Edition
Thiamin	0.12mg	McCance & Widdowson 6 <sup>th</sup> Edition
Riboflavin	0.02mg	McCance & Widdowson 6 <sup>th</sup> Edition
Niacin	0.3mg	McCance & Widdowson 6 <sup>th</sup> Edition
Folic Acid	52µg	McCance & Widdowson 6 <sup>th</sup> Edition
Biotin	0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Pantothenic Acid	0.08mg	McCance & Widdowson 6 <sup>th</sup> Edition
Calcium	25mg	McCance & Widdowson 6 <sup>th</sup> Edition
Phosphorus	45mg	McCance & Widdowson 6 <sup>th</sup> Edition
Iron	0.8mg	McCance & Widdowson 6 <sup>th</sup> Edition
Magnesium	22mg	McCance & Widdowson 6 <sup>th</sup> Edition
Zinc	0.3mg	McCance & Widdowson 6 <sup>th</sup> Edition
Iodine	0µg	McCance & Widdowson 6 <sup>th</sup> Edition
Potassium	360mg	McCance & Widdowson 6 <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/Crustations/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/Celериac	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> No
<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>
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 2023

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

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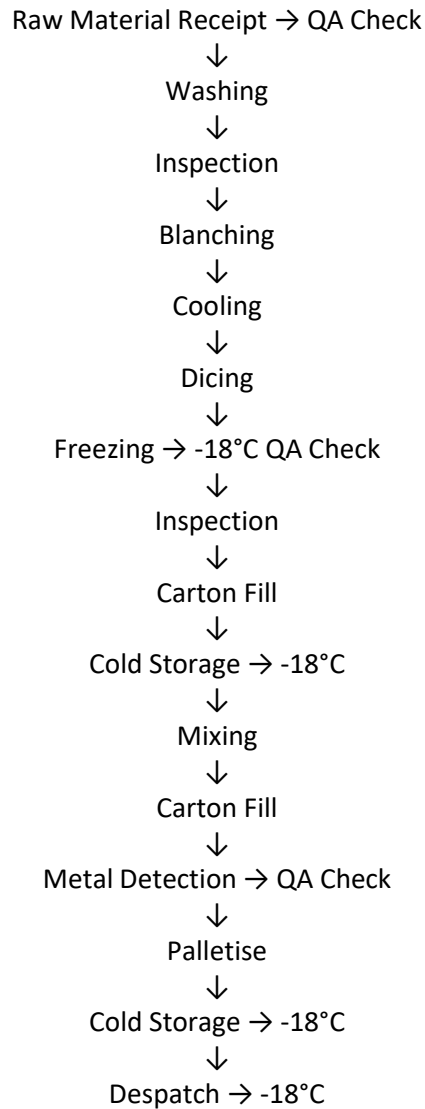
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## PROCESS INFORMATION

### PROCESS FLOW CHART\*

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

#### DICED COURGETTE



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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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