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Product Specification

10mm Diced Tomatoes Skin On

Date: 11th July 2008

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PACK SIZE 1 x 10kg

ORIGIN: Spain / Turkey

GENERAL The product shall be prepared from fresh sound raw material that is free from all toxic residues and taints. The final product shall comply with all current U.K. and E.C. Food Legislation.

INGREDIENTS Tomatoes 100% Declare as: Tomatoes
(*Lycopersicon esculentum*)

PROCESSING The tomatoes are delivered and inspected upon receipt. During processing the tomatoes are inspected, washed, diced, inspected, frozen (-18°C or below) and stored in bulk at -23°C or below until required for packing.

PACKING During packing the tomatoes 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 -23°C to await despatch to the UK at -18°C.

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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: -

<u>Per 1000g</u>	Clumps	5% w/w
	Foreign Material	Nil
	EVM	2
<u>Per 500g</u>	Major Blemish	2
	Minor Blemish	4
	Stem Hole	3
	Colour Variants	5% w/w
	Undersize <8mm	5% w/w
	Oversize >15mm	5% 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.

Foreign Material

This includes any material not derived from the tomato 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 tomato plant other than the tomato flesh e.g. pieces of leaf, stalk, calyx etc. Vegetable material not from the tomato plant will be counted as Foreign Material.

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Major Blemish

This includes tomato 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 die.

Minor Blemish

This includes tomato 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.

Stem Hole

This includes black scar marks left where water has collected round the point where the calyx joins the tomato.

Colour Variants

This includes slices that are not a true varietal colour, i.e. yellow or green.

Undersize

These are dice that are less than 8mm in any dimension.

Oversize

These are dice that are greater than 15mm in any dimension.

ORGANOLEPSIS**COLOUR**

Uniform red colour, typical of the variety.

FLAVOUR

Full characteristic sweet tomato flavour, typical of the variety.

TEXTURE

Fairly uniform, flesh may be slightly soft, skins may be slightly tough.



Average sample

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MICROBIOLOGICAL

Organism	Target	Maximum
T V C @ 30°C	1 x 10 ⁶	2 x 10 ⁶
Total Coliforms	5 x 10 ³	5 x 10 ⁴
E. coli	1 x 10 ¹	1 x 10 ²
Yeasts	1 x 10 ³	5 x 10 ³
Mould	5 x 10 ²	1.5 x 10 ³
Staph aureus	1 x 10 ²	2 x 10 ²
Salmonella	Absent in 25g	Absent in 25g
Listeria monocytogenes	Absent in 25g	1 x 10 ²

ANALYTICAL

N/A – unblanched product

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 hourly using 3.5mm ferrous and 3.5mm non-ferrous test pieces.

CODING

Best Before End shall be twenty four months following the month of packing e.g. if packed in May 2008 then BEST BEFORE END MAY 2010.

Production / Traceability Code Four figure International date code (Year number, Day number) plus factory identification code and shift code e.g. product packed 1 January 2008 = **8001**.

CARTON LINERS

Dark blue food grade polythene liner of a **minimum** thickness of 45µm.

CARTONS

Corrugated fibreboard of glued construction, no metal staples to be used. Shall be sealed using dark 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 tomatoes typically contain: -

Parameter	Value / 100g	Methodology
Energy - kcal	19	McCance & Widdowson 6 th Edition
Energy - kJ	79	McCance & Widdowson 6 th Edition
Moisture	92.0g	McCance & Widdowson 6 th Edition
Carbohydrate	3.0g	McCance & Widdowson 6 th Edition
- as sugars	3.0g	McCance & Widdowson 6 th Edition
- as polyols	0.0g	McCance & Widdowson 6 th Edition
- as starch	0.1g	McCance & Widdowson 6 th Edition
Fat	0.4g	McCance & Widdowson 6 th Edition
- as saturates	0.1g	McCance & Widdowson 6 th Edition
- as mono unsaturates	Trace	McCance & Widdowson 6 th Edition
- as poly unsaturates	0.2g	McCance & Widdowson 6 th Edition
Protein	0.8g	McCance & Widdowson 6 th Edition
Fibre	1.0g	McCance & Widdowson 6 th Edition
Sodium	13mg	McCance & Widdowson 6 th Edition
Cholesterol	0.0mg	McCance & Widdowson 6 th Edition
Vitamin A	107µg	McCance & Widdowson 6 th Edition
Vitamin B ₆	0.14mg	McCance & Widdowson 6 th Edition
Vitamin B ₁₂	0.0mg	McCance & Widdowson 6 th Edition
Vitamin C	17mg	McCance & Widdowson 6 th Edition
Vitamin D	0.0µg	McCance & Widdowson 6 th Edition
Vitamin E	1.22mg	McCance & Widdowson 6 th Edition
Thiamin	0.09mg	McCance & Widdowson 6 th Edition
Riboflavin	0.01mg	McCance & Widdowson 6 th Edition
Niacin	1.0mg	McCance & Widdowson 6 th Edition
Folic Acid	17µg	McCance & Widdowson 6 th Edition
Biotin	1.5µg	McCance & Widdowson 6 th Edition
Pantothenic Acid	0.25mg	McCance & Widdowson 6 th Edition
Calcium	7.0mg	McCance & Widdowson 6 th Edition
Phosphorus	24mg	McCance & Widdowson 6 th Edition
Iron	0.5mg	McCance & Widdowson 6 th Edition
Magnesium	7.0mg	McCance & Widdowson 6 th Edition
Zinc	0.1mg	McCance & Widdowson 6 th Edition
Iodine	2.0µg	McCance & Widdowson 6 th Edition
Potassium	250mg	McCance & Widdowson 6 th Edition

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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: Alan Gosling Job Title: Technical Consultant

Signature:  Date: 11th July 2008

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: Alan Gosling Job Title: Technical Consultant

Signature:  Date: 11th July 2008

Where any answer is YES, see details below.

Product or Material	Details of Genetic Modification

I confirm I have made any necessary enquiries and obtained relevant written assurances from suppliers to verify the accuracy of the details provided above. I confirm the above data supplied is correct and can be used without reservation to advise customers.

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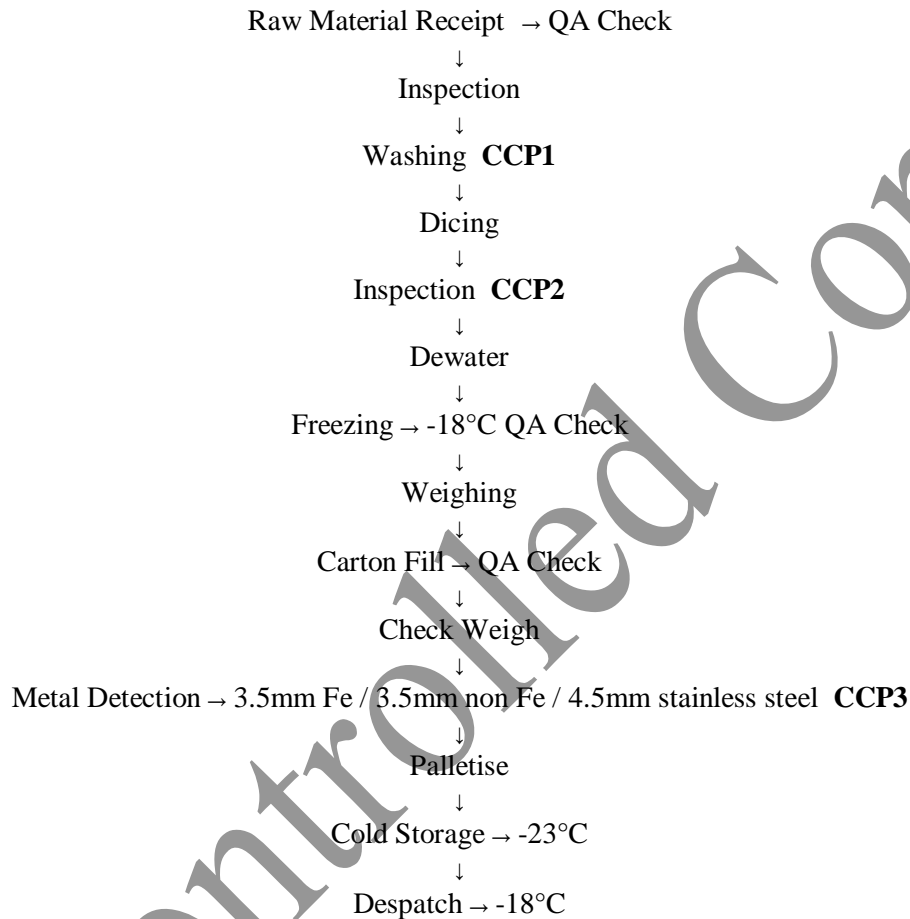
FOOD INTOLERANCE

Food Intolerance Data		
Does the material supplied contain any of the following? (NO) Absent, (YES) Present		
Allergen	NO / YES	Reason for presence if YES
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/Celariac	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 / N	
Vegans?	Y / N	
Kosher?	Y / N	
Halal?	Y / N	
Organic?	Y / N	

FOOD ADDITIVES

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

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PROCESS INFORMATION**PROCESS FLOW CHART****DICED TOMATOES****CRITICAL CONTROL POINTS:**

to include time / temperature / frequency / target and sensitivity of all process steps.

CCP Number	Process Step	Controls in place
CCP1	Ensure that Cl ₂ level is kept at 60ppm. Hourly check.	Cl ₂ to act as a bactericide Lovibond comparator test
CCP2	Inspection of the product. Continuous control	To remove foreign material via manual inspection.
CCP3	Metal detector efficiency. Hourly checks.	Testing of detector using certified test pieces of 3.5mm Ferrous & non-Ferrous, 4.5mm stainless steel.

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COSHH Data For Frozen Vegetables

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.

Signed on behalf of Foodnet Ltd:-

Name: Alan Gosling Job Title: Technical Consultant

Signature:  Date: 11th July 2008

Signed on behalf of the Customer:-

Name: Job Title:

Signature: Date:

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