



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

Technical Specification		
Product: Mango Diced	Last Update: 31/01/2020	Product Code:

PACK SIZE 5 x 1Kg

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.

INGREDIENTS Mango 100% Declare as: Mango
(*Mangifera indica*)

PROCESSING Mangos are delivered fresh to the factory, each load is quality assurance sampled for foreign material and physical defects. The load is then put in a chill store (3°C) before washing, peeling, coring, inspection, dicing and freezing to -18°C or below.

PACKING During packing the mangos 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.

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

Doc Ref: PRO-SPE	Issue date: 31.01.2020	Issue No: 3	Prepared by: G. Oberto	Authorised by: Rhys Owen
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DEFECT TOLERANCES

<u>Per 1000g</u>	<u>Maximum</u>
Clumps	10%w/w
Foreign Material	Nil
EVM	1
Skin residue	2%w/w
Blemished	8
Brix	8 – 11

DEFINITIONS OF DEFECTS

Clumps

This is where 3 or more dice are welded together which cannot be readily separated without causing damage to the dice.

Foreign Material

This includes any material other than that derived from the mango or defined as EVM, such as insects, pieces of insects, wood, glass, stones, metal, paint, grease, oil, foreign vegetable material or any other material which would render the product unacceptable.

EVM

This includes any free vegetable matter that is derived from the mango other than skin.

Blemished

This includes mango 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.

Skin Residue

Any mango skin that has not completely removed from the dices.

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

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ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR Yellow coloured dice typical of the variety used.

FLAVOUR Full characteristic flavour of fresh mango.

TEXTURE Uniformly firm and tender, yielding to the bite.



Average sample

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MICROBIOLOGICAL

Organism	Target	Maximum
<i>TVC @ 30°C</i>	5×10^4	1×10^6
<i>Total Coliforms</i>	1×10^3	5×10^3
<i>E. coli</i>	Nil	1×10^2
<i>Listeria mono</i>	Absent in 25g	1×10^2
<i>Salmonella</i>	Absent in 25g	Absent in 25g

ANALYTICAL N/A – Un-blanching 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 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 Mango typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	57	McCance & Widdowson 6 th Edition
Energy - kJ	245	McCance & Widdowson 6 th Edition
Moisture	82.4g	McCance & Widdowson 6 th Edition
Carbohydrate	14.1g	McCance & Widdowson 6 th Edition
- as sugars	13.8g	McCance & Widdowson 6 th Edition
- as polyols	0.0g	McCance & Widdowson 6 th Edition
- as starch	0.3g	McCance & Widdowson 6 th Edition
Fat	0.2g	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	Trace	McCance & Widdowson 6 th Edition
Protein	0.7g	McCance & Widdowson 6 th Edition
Fibre	2.9g	McCance & Widdowson 6 th Edition
Sodium	2mg	McCance & Widdowson 6 th Edition
Vitamin A	696µg	McCance & Widdowson 6 th Edition
Vitamin B6	0.13mg	McCance & Widdowson 6 th Edition
Vitamin B12	0.0mg	McCance & Widdowson 6 th Edition
Vitamin C	37mg	McCance & Widdowson 6 th Edition
Vitamin D	0.0µg	McCance & Widdowson 6 th Edition
Vitamin E	1.05mg	McCance & Widdowson 6 th Edition
Thiamin	0.04mg	McCance & Widdowson 6 th Edition
Riboflavin	0.05mg	McCance & Widdowson 6 th Edition
Niacin	0.5mg	McCance & Widdowson 6 th Edition
Folic Acid	0.0µg	McCance & Widdowson 6 th Edition
Biotin	0.0µg	McCance & Widdowson 6 th Edition
Pantothenic Acid	0.16mg	McCance & Widdowson 6 th Edition
Calcium	12mg	McCance & Widdowson 6 th Edition
Phosphorus	16mg	McCance & Widdowson 6 th Edition
Iron	0.7mg	McCance & Widdowson 6 th Edition
Magnesium	13mg	McCance & Widdowson 6 th Edition
Zinc	0.1mg	McCance & Widdowson 6 th Edition
Iodine	0.0µg	McCance & Widdowson 6 th Edition
Potassium	180mg	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: Gianluca Oberto

Job Title: Technical Manager

Signature: 


Date: 31st January 2020

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: 31st January 2020

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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/Crustations/Molluscs	NO				
Cereals (**)	NO				
Gluten	NO				
Yeast/Yeast Extract	NO				
Soya/Soya Derivatives	NO				
Fruit & Fruit Derivatives	YES		100% Mango		
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.					
<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>					
Is this product Suitable for:					
Vegans	Yes (Not certified)	Vegetarians	Yes	Organic	No
Halal	Yes (Not certified)	Kosher	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					

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.

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: 31st January 2020

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

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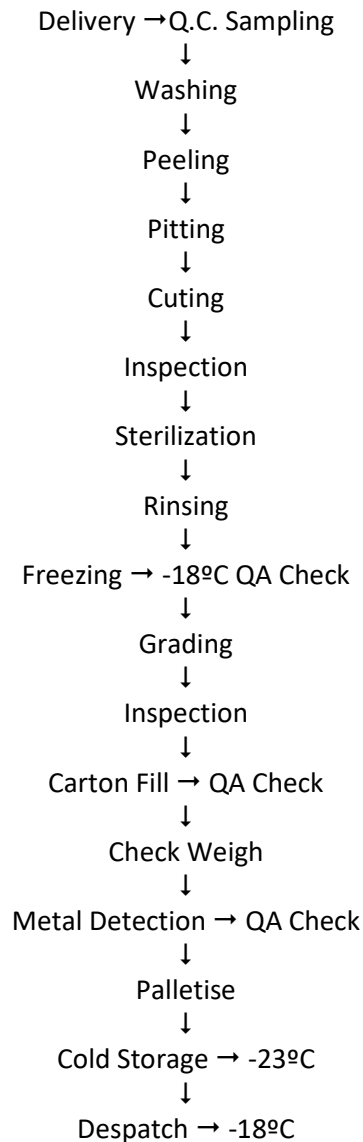
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PROCESS INFORMATION

PROCESS FLOW CHART*

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

DICED PIECES



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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

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