



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> Orange Pulp, Bitter, 1.5mm	<b>Last Update:</b> 31/01/2023	<b>Product Code:</b> ORA009

**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 not intended for direct consumption.

**INGREDIENTS** Bitter Orange (80-100%), Water (0-20% maximum);

**PROCESSING** All fruit is washed and rinsed, prior to sorting to eliminate under and over ripe fruit, infested and damaged oranges. Fruit is conveyed to the Kelly machine which is set to quarter the oranges and separate the peel from the fruit centres. The peel is shredded to 1.5 mm (+/- 0.5mm) in width with no cross cut applied thus being natural length. The peel and the dummy are cooked to inactivate enzymes. The peel, dummy and water, if required, are blended together, by percentage, to give the equivalent in the original orange and the pulp is heated to min 87C for canned product or min 98C for aseptic product.

**PACKING** Pulp passes through a metal detector and is either: a) hot-filled into lacquered cans or: b) pasteurized and filled into aseptic bags in drums. Finished product is stored at ambient.

**QUALITY** Free from rot, pips, blemishes and foreign material.

**ORGANOLEPSIS** Yellow-orange coloured pulp with orange peel pieces. Typical bitter orange flavour and aroma.



Average sample

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**MICROBIOLOGICAL** Commercially sterile.

**ANALYTICAL**

percentage of peel	min 28%
pH	<4
Brix (uncorrected, 20C)	7.0 – 10.0
Closedown test on the tin	

**METAL DETECTION** Pulp passes through the metal detector located before filling into cans or aseptic bags.

**SHELF LIFE** Cans: 24 months from manufacture;  
Drums: 18 months from manufacture;

**TRACEABILITY INFO** Production Date (as Julian Code) or Best Before Date + Lot Number.

**STORAGE CONDITIONS** Store ambient at < 30C.

**Canned products:** once opened, use immediately;  
**Aseptic drums:** once opened, store chilled (0 to 5C) and use within 24 hours.

**PACKAGING** a) Food grade lacquered cans in cardboard carton, sealed with blue tape.

unit weight 4.2 or 4.5 kg minimum fill depending on processor  
Can – 155 x 260 mm weight 360 - 400 g  
Carton – 470 x 270 x 340 mm weight 380 - 640 g

b) Aseptic bags in conical metal drums with plastic lids  
unit weight 210 or 220 kg minimum fill depending on processor;

Bag: 1575 x 890mm x 2 inner PE layers each min 30µm weight: approx. 550g;  
Conical Drum: 975 (h) x max 575 (Ø) mm weight approx. 14 kg;

NB all dimensions are approximate and will vary according to processor;

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## **NUTRITIONAL INFORMATION**

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

100g of bitter orange pulp typically contains: -

<b>Parameter</b>	<b>Value per 100g</b>
Energy – kcal	49.6
Energy – kJ	208
Fat	0.3 g
-as saturates	trace
Carbohydrate	11.9g
- as sugars	9.1 g
Fibre	2.8 g
Protein	1.1 g
Sodium	<1 mg

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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	Yes		Orange 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/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

E. Number	Name	In Which Ingredient	Function in Ingredient	Function in Final Product	% In Final Product

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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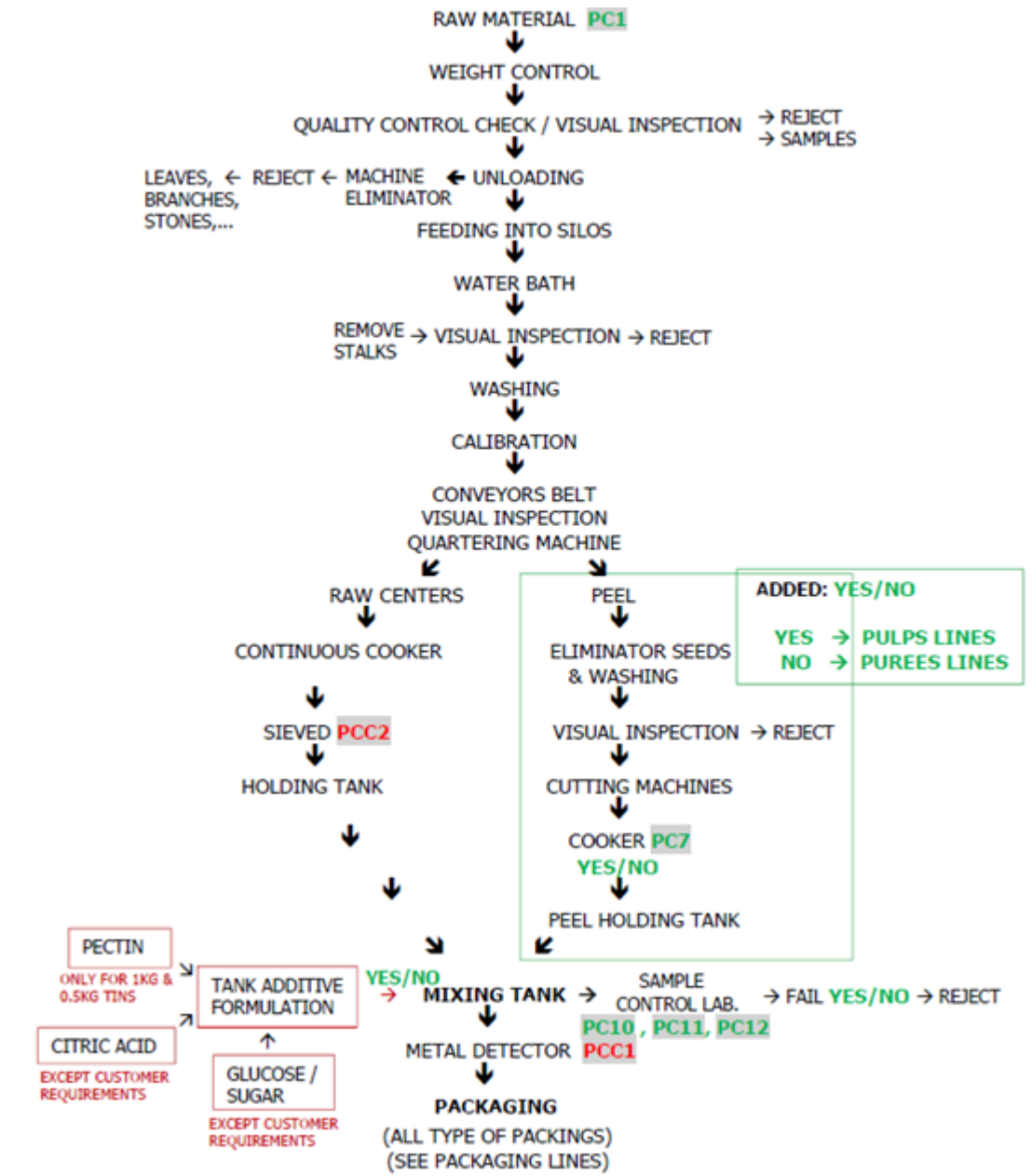


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**PROCESS INFORMATION**

**PROCESS FLOW CHART\***

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



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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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