



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

Technical Specification		
Product: Sweet Potato Puree Tablet IQF	Last Update: 31/01/2023	Product Code: STR008

PACK SIZE 1 x 10kg;

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 (minimum of +75°C for 30 seconds).

INGREDIENTS Sweet Potatoes 100% Declare as: Sweet Potatoes
(*Ipomoea batatas* var. *batatas*)

PROCESSING Sweet potatoes are delivered fresh to the factory; each load is sampled and assessed for foreign material and physical defects. The load is then cleaned, hand peeled, diced, blanched, milled, put into moulds, frozen and filled into bulk palletainers. The frozen sweet potatoes are sampled and assessed against specification. The palletainers are then labelled and transferred to the cold store, where they are stored at -23°C until required for packing.

PACKING During packing, the sweet potatoes 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.

DEFECT TOLERANCES

Per 1000g	Maximum
Foreign Material	Nil
EVM	1
Damaged tablet	5% w/w

DEFINITIONS OF DEFECTS

Foreign Material

This includes any material not derived from the sweet potato 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 sweet potato plant other than the sweet potato flesh e.g. pieces of skin etc but does not include skin from the cloves. Vegetable material not from the cauliflower plant will be counted as Foreign material.

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Damaged Tablet

These are tablets that are less than half the original size.

ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR Bright and uniform yellow to orange, typical of the product.

FLAVOUR Slightly sweet characteristic sweet potato flavour.

TEXTURE Typical of sweet potato puree.



Average sample

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MICROBIOLOGICAL

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

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 sweet potato typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	87	McCance & Widdowson
Energy - kJ	372	McCance & Widdowson
Carbohydrate	73.7g	McCance & Widdowson
- as sugars	21.3g	McCance & Widdowson
- as polyols	5.7g	McCance & Widdowson
- as starch	0.0g	McCance & Widdowson
Fat	15.6g	McCance & Widdowson
- as saturates	0.3g	McCance & Widdowson
- as mono unsaturates	0.1g	McCance & Widdowson
- as poly unsaturates	0.0g	McCance & Widdowson
Protein	0.1g	McCance & Widdowson
Fibre	1.2g	McCance & Widdowson
Sodium	2.4g	McCance & Widdowson
Vitamin A	40mg	McCance & Widdowson
Vitamin B ₆	3.9mg	McCance & Widdowson
Vitamin B ₁₂	0.09mg	McCance & Widdowson
Vitamin C	0.0mg	McCance & Widdowson
Vitamin D	23mg	McCance & Widdowson
Vitamin E	0.0µg	McCance & Widdowson
Thiamin	0.28mg	McCance & Widdowson
Riboflavin	0.17mg	McCance & Widdowson
Niacin	0.00mg	McCance & Widdowson
Folic Acid	0.5mg	McCance & Widdowson
Biotin	17µg	McCance & Widdowson
Pantothenic Acid	0.0µg	McCance & Widdowson
Calcium	0.59mg	McCance & Widdowson
Phosphorus	24mg	McCance & Widdowson
Iron	50mg	McCance & Widdowson
Magnesium	0.7mg	McCance & Widdowson
Zinc	18mg	McCance & Widdowson
Iodine	0.3mg	McCance & Widdowson
Potassium	2.0µg	McCance & Widdowson
	370mg	

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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: 31st 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: 31st 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

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	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/Celeryiac	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

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 2023

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

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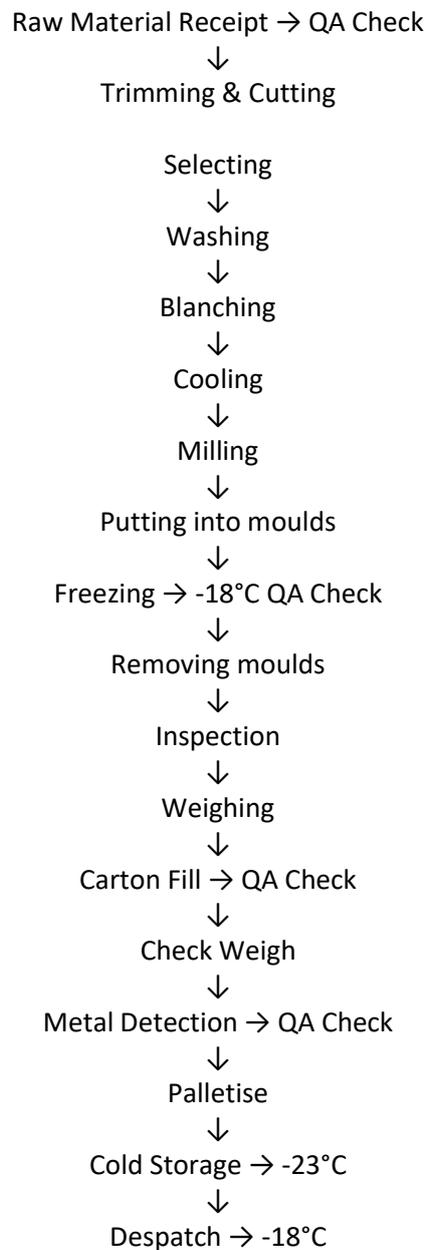
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PROCESS INFORMATION

PROCESS FLOW CHART*

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

PUREED SWEET POTATO



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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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