



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

echnical Specification		
Product: Pineapple Tidbits	Last Update: 31/01/2020	Product Code: PIN005

PACK SIZE 1 x 10Kg; 5 x 1kg

ORIGIN: Vietnam/ China/ Costa Rica

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 Pineapple 100% Declare as: Pineapple
(*Ananas comosus*)

PROCESSING Pineapples 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, cutting, inspection and freezing to -18°C or below.

PACKING During packing the pineapple chunks 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

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DEFECT TOLERANCES

Per 1000g

Foreign Matter	Nil
Clump	10%w/w
Foreign Extraneous Vegetable Matter	Nil

EVM:

Skin & Seed	5
Core	3%w/w

Fruit Eye	5%w/w
Blemished	5% w/w
Damaged	5% w/w

SIZE:

Outer Arch*	1/12 of the ring
Length*	17-37mm
Thickness*	8-16mm

*85% w/w of pieces shall be within these sizes.

Brix	10° Minimum
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DEFINITIONS OF DEFECTS

Foreign Matter

This includes any material other than that derived from the pineapple 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.

Foreign Extraneous Vegetable Matter

This includes any vegetable material not derived from the pineapple plant, and which is non-harmful.

EVM

This includes any free vegetable matter that is derived from the pineapple such as skin, seeds, core.

Blemished

This includes pieces which are blemished through damage by insects or mechanical means or which have blackened, decomposed or discoloured areas (including windrub) where the area affected is at least 2mm in diameter or length either as a single blemish or as an aggregate of blemishes. Single blemishes of less than 2mm shall be ignored.

Damaged

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These are pieces which have been broken or crushed.

Over / Undersize

See table of defects for definitions.

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

ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR

Light yellow to bright yellow.

FLAVOUR

Characteristic of ripe, mature pineapple with no off-flavour or odour.

TEXTURE

Uniformly firm and tender, yielding to the bite.



Average sample

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MICROBIOLOGICAL

Organism	Target	Maximum
<i>T V C @ 30°C</i>	1×10^5	5×10^5
<i>Total Coliforms</i>	5×10^2	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

Brix: 10° minimum.

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 Pineapple typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	41	McCance & Widdowson 5 th Edition
Energy - kJ	176	McCance & Widdowson 5 th Edition
Moisture	86.5g	McCance & Widdowson 5 th Edition
Carbohydrate	10.1g	McCance & Widdowson 5 th Edition
- as sugars	10.1g	McCance & Widdowson 5 th Edition
- as polyols	0.0g	McCance & Widdowson 5 th Edition
- as starch	0.0g	McCance & Widdowson 5 th Edition
Fat	0.2g	McCance & Widdowson 5 th Edition
- as saturates	Trace	McCance & Widdowson 5 th Edition
- as mono unsaturates	0.1g	McCance & Widdowson 5 th Edition
- as poly unsaturates	0.1g	McCance & Widdowson 5 th Edition
Protein	0.4g	McCance & Widdowson 5 th Edition
Fibre	1.2g	McCance & Widdowson 5 th Edition
Sodium	2.0mg	McCance & Widdowson 5 th Edition
Vitamin A	3.0µg	McCance & Widdowson 6 th Edition
Vitamin B6	0.09mg	McCance & Widdowson 6 th Edition
Vitamin B12	0.0mg	McCance & Widdowson 6 th Edition
Vitamin C	12.0mg	McCance & Widdowson 6 th Edition
Vitamin D	0.0µg	McCance & Widdowson 6 th Edition
Vitamin E	0.10mg	McCance & Widdowson 6 th Edition
Thiamin	0.08mg	McCance & Widdowson 6 th Edition
Riboflavin	0.03mg	McCance & Widdowson 6 th Edition
Niacin	0.3mg	McCance & Widdowson 6 th Edition
Folic Acid	5.0µg	McCance & Widdowson 6 th Edition
Biotin	0.3µg	McCance & Widdowson 6 th Edition
Pantothenic Acid	0.16mg	McCance & Widdowson 6 th Edition
Calcium	18.0mg	McCance & Widdowson 6 th Edition
Phosphorus	10.0mg	McCance & Widdowson 6 th Edition
Iron	0.2mg	McCance & Widdowson 6 th Edition
Magnesium	16.0mg	McCance & Widdowson 6 th Edition
Zinc	0.1mg	McCance & Widdowson 6 th Edition
Iodine	0.0µg	McCance & Widdowson 6 th Edition
Potassium	160mg	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/Crustaceans/Molluscs	NO				
Cereals (**)	NO				
Gluten	NO				
Yeast/Yeast Extract	NO				
Soya/Soya Derivatives	NO				
Fruit & Fruit Derivatives	YES		100% Pineapple		
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

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.

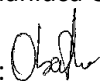
There are no other perceived COSHH implications regarding the use of frozen fruits.

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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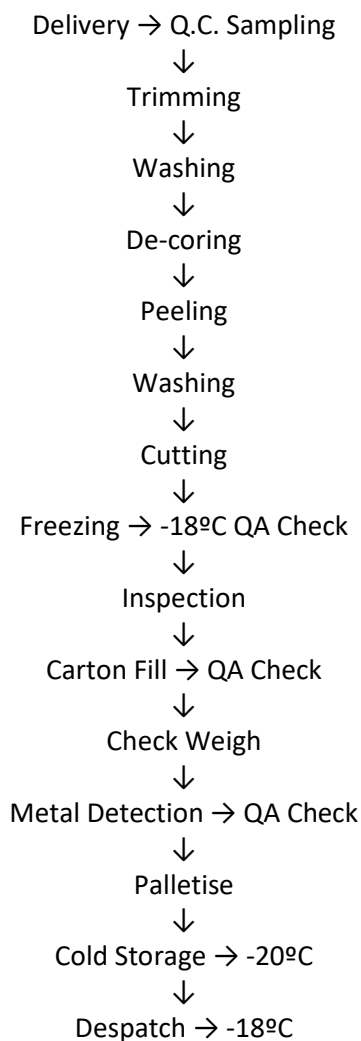
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PROCESS INFORMATION

PROCESS FLOW CHART*

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

PINEAPPLE CHUNKS



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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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