



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: Pomegranate Pearls IQF	Last Update: 31/01/2023	Product Code: POM001
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PACK SIZE 1 x 10Kg;

ORIGIN: Spain, India, Turkey

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 Pomegranate 100% Declare as: Pomegranate
(*Punica granatum*)

PROCESSING Pomegranates are harvested by hand and delivered fresh to the factory, each load is quality assurance sampled for foreign material and physical defects. The kernels are washed, dried and inspected and frozen to -18°C or below.

PACKING During packing the pomegranate arils 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.

DEFECT TOLERANCES

<u>Per 1kg</u>	Maximum
Clumps	5%w/w
Foreign Material	Nil
EVM	1
Membrane	1%w/w
Rotten/Blemish	0.5%w/w
Damaged	3%w/w
Immature Aril	8% w/w
Overripe Aril	3% w/w

Doc Ref: PRO-SPE	Issue date: 31.01.2023	Issue No: 4	Prepared by: Filipe Soares	Authorised by: Gianluca Oberto
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DEFINITIONS OF DEFECTS

Clumps

16 or more units welded together which cannot be separated without causing damage to the product

Foreign Material

This includes any material other than that derived from the pomegranate plant 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 is vegetable material which is originated from the pomegranate plant such as leaves or stalks

Membrane

White pieces in the pomegranate which are greater than 5mm

Blemish

Any black or brown spot greater than 2mm in diameter.

Damage

Any damaged pearl

Immature Aril

Any aril which is pale and significantly different in colour to the rest of the sample.

Overripe Aril

Any aril which is darker and significant different in colour to the rest of the sample.

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ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR

Red-rose, typical of the variety.

FLAVOUR

Full natural and characteristic of the fruit. Free from taints/off odours.

TEXTURE

Uniformly firm. Not too hard or soft texture.



Average sample

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MICROBIOLOGICAL

Organism	Target	Maximum
<i>TVC @ 30°C</i>	5×10^5	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-blanced 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 Pomegranate typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	83	USDA Nutrient Database Release 28
Energy - kJ	346	USDA Nutrient Database Release 28
Moisture	77.9g	USDA Nutrient Database Release 28
Carbohydrate	18.7g	USDA Nutrient Database Release 28
- as sugars	13.7g	USDA Nutrient Database Release 28
- as polyols	1.0 g	USDA Nutrient Database Release 28
- as starch	0.0g	USDA Nutrient Database Release 28
Fat	0.2g	USDA Nutrient Database Release 28
- as saturates	0.12g	USDA Nutrient Database Release 28
- as mono unsaturates	0.1g	USDA Nutrient Database Release 28
- as poly unsaturates	0.08g	USDA Nutrient Database Release 28
Protein	1.7g	USDA Nutrient Database Release 28
Fibre	4.0g	USDA Nutrient Database Release 28
Sodium	3.0mg	USDA Nutrient Database Release 28
Vitamin A	0.0mg	USDA Nutrient Database Release 28
Vitamin B ₆	0.08mg	USDA Nutrient Database Release 28
Vitamin B ₁₂	0.0mg	USDA Nutrient Database Release 28
Vitamin C	10.2mg	USDA Nutrient Database Release 28
Vitamin D	0.0mg	USDA Nutrient Database Release 28
Vitamin E	0.60mg	USDA Nutrient Database Release 28
Thiamin	0.07mg	USDA Nutrient Database Release 28
Riboflavin	0.05mg	USDA Nutrient Database Release 28
Niacin	0.3mg	USDA Nutrient Database Release 28
Folic Acid	0.0mg	USDA Nutrient Database Release 28
Biotin	10mg	USDA Nutrient Database Release 28
Pantothenic Acid	36mg	USDA Nutrient Database Release 28
Calcium	0.30mg	USDA Nutrient Database Release 28
Phosphorus	12mg	USDA Nutrient Database Release 28
Iron	0.35mg	USDA Nutrient Database Release 28
Magnesium	236mg	USDA Nutrient Database Release 28
Zinc	0.0mg	USDA Nutrient Database Release 28
Iodine	0.08mg	USDA Nutrient Database Release 28
Potassium	0.0mg	USDA Nutrient Database Release 28

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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/Crustaceans/Molluscs	NO			
Cereals (**)	NO			
Gluten	NO			
Yeast/Yeast Extract	NO			
Soya/Soya Derivatives	NO			
Fruit & Fruit Derivatives	YES	100% Pomegranate		
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/Celery	NO			
Lupins	NO			
*Including any product derived from slaughtered animals, e.g. gelatine, rennet				
**Including wheat, corn, barley, rye, oats, etc.				
Please be aware the manufacturing sites we supply this item from may handle allergens in production. Procedures are in place to prevent cross-contamination.				
Is this product Suitable for:				
Vegans	Yes (Not certified)	Vegetarians	Yes	Organic
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

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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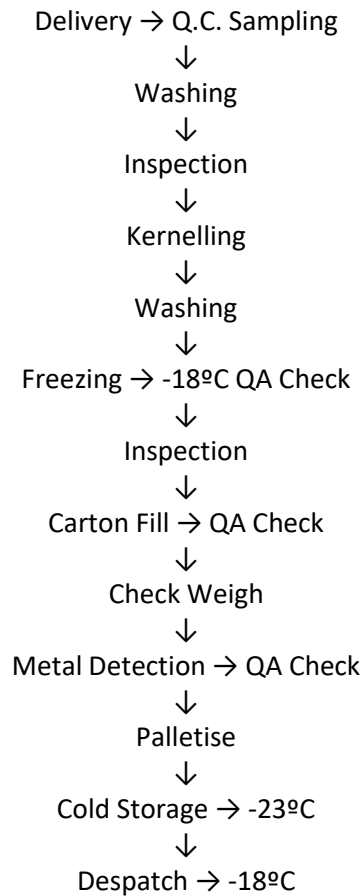
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PROCESS INFORMATION

PROCESS FLOW CHART*

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

POMEGRANATE ARILS



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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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