



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: Macaroni Curved IQF	Last Update: 31/01/2026	Product Code: PAS005

PACK SIZE 1 x 20kg

ORIGIN: UK, France

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 Water (52.9%) Durum Wheat Semolina (47.1%),
Declare as: Macaroni Pasta

PROCESSING Extruded and fresh frozen pasta. The pasta is cooked and individually quick frozen (IQF), without addition of preservatives synthetic colours or other additives.

PACKING During packing, the Macaroni Soup Pasta is inspected before weighing and filling into blue polythene sacks. The sacks 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

<u>Assessed on 1000g Sample</u>	<u>Target</u>	<u>Maximum</u>
Clumps	3% w/w	5%w/w
Foreign Matter	Nil	Nil

DEFINITIONS OF DEFECTS

Clumps

These are where three or more pieces are frozen together which cannot be readily separated without causing damage to the product.

Foreign Material

This includes any material such as insects, pieces of insects, wood, glass, stones, metal, sand, grit, plastic or any other material which will render the product unacceptable.

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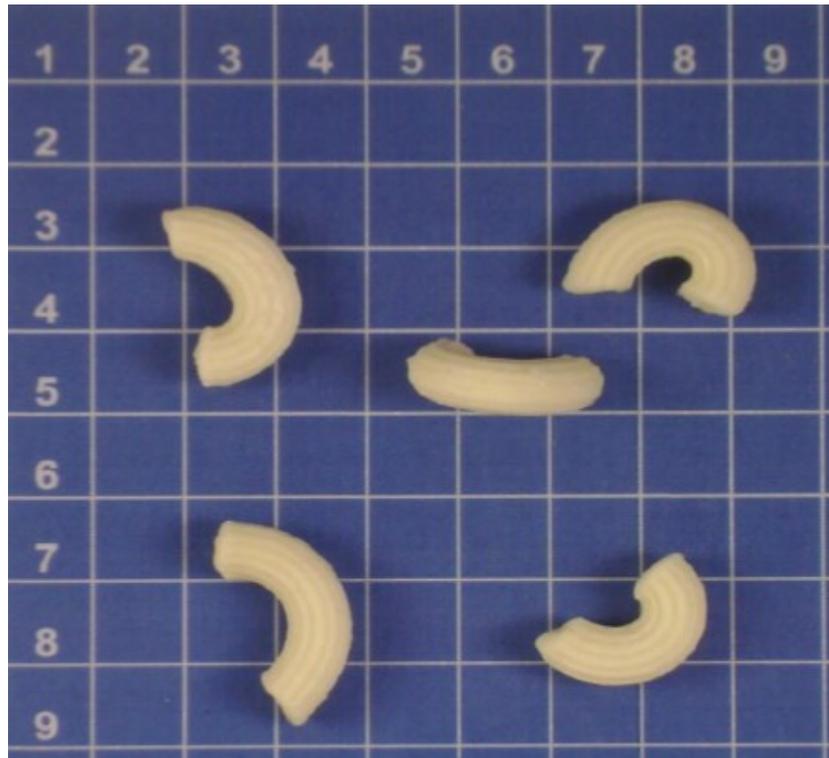
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ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR Typical white to yellowish pasta colour;

FLAVOUR Typical like wheat semolina, without any foreign taste;

TEXTURE Al dente, elastic.



Average sample

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MICROBIOLOGICAL

Organism	Target	Maximum
<i>TVC @ 30°C</i>	1 x 10⁴	1 x 10⁵
<i>E. coli</i>	Nil	1 x 10²
<i>Listeria mono</i>	Absent in 25g	1 x 10²
<i>Salmonella</i>	Absent in 25g	Absent in 25g

ANALYTICAL N/A – Un-blanché 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.

SACKS Blue food grade polythene sack of a minimum thickness of 110µ.m

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NUTRITIONAL INFORMATION

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

100g of boiled Macaroni typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	86	McCance & Widdowson
Energy - kJ	365	McCance & Widdowson
Moisture	78.1g	McCance & Widdowson
Carbohydrate	18.5g	McCance & Widdowson
- as sugars	0.3g	McCance & Widdowson
- as polyols	0.2g	McCance & Widdowson
- as starch	18.2g	McCance & Widdowson
Fat	0.5g	McCance & Widdowson
- as saturates	0.1g	McCance & Widdowson
- as mono unsaturates	Traces	McCance & Widdowson
- as poly unsaturates	0.2g	McCance & Widdowson
Protein	3.0g	McCance & Widdowson
Fibre	1.5g	McCance & Widdowson
Sodium	1.0mg	McCance & Widdowson
Vitamin A	0g	McCance & Widdowson
Vitamin B ₆	0.01mg	McCance & Widdowson
Vitamin B ₁₂	0mg	McCance & Widdowson
Vitamin C	0mg	McCance & Widdowson
Vitamin D	0mg	McCance & Widdowson
Vitamin E	trace	McCance & Widdowson
Thiamin	0.03mg	McCance & Widdowson
Riboflavin	Traces	McCance & Widdowson
Niacin	0.5mg	McCance & Widdowson
Folic Acid	-	McCance & Widdowson
Biotin	Traces	McCance & Widdowson
Pantothenic Acid	Traces	McCance & Widdowson
Calcium	6mg	McCance & Widdowson
Phosphorus	42mg	McCance & Widdowson
Iron	0.5mg	McCance & Widdowson
Magnesium	14mg	McCance & Widdowson
Zinc	0.5mg	McCance & Widdowson
Iodine	Traces	McCance & Widdowson
Potassium	42mg	McCance & Widdowson

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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 2026

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 2026

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 (**)	YES		Contains wheat		
Gluten	YES		Contains gluten		
Yeast/Yeast Extract	NO				
Soya/Soya Derivatives	NO		Possible traces in durum wheat semolina		
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		Possible traces in durum wheat semolina		
Celery/Celerciac	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 2026

Signed on behalf of the Customer:

Name:

Job Title:

Signature:

Date:

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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.

Macaroni Curved

Raw Material Receipt → QA Check



Mixing of dough



Pasta pressing



Cooking



Cooling



Freezing → -19°C



Packing in sacks



Check Weigh



Metal Detection → QA Check



Palletise



Cold Storage → -23°C



Despatch → -18°C

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Issues & Amendments

Issue N°	Amend. N°	Date	Amendments	Compiled by
3	1	31/01/2020	New Entry	G. Oberto
4	1	31/01/2023	3 Year update – general revision	F. Soares
5	1	31/01/2026	3 Year update – general revision	F. Soares

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