



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: Cauliflower Floret 20-40MM IQF	Last Update: 31/01/2023	Product Code: CAU004

PACK SIZE 1 x 10kg;

ORIGIN: France, Belgium, China, Spain, 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 Cauliflower Florets 100% Declare as: Cauliflower
(*Brassica oleracea var. botrytis L.*)

PROCESSING Cauliflower curd is harvested by hand and transferred to floretting stations or directly to the factory to be floretted. Each load is sampled and assessed for foreign material and physical defects. The load is then cleaned, blanched, frozen and filled into bulk palletainers. The frozen florets are sampled and assessed against specification. The palletainers are then labelled and transferred to the cold store, where they are stored at -18°C until required for packing.

PACKING During packing, the cauliflower is inspected before weighing and filling into blue poly lined cartons. The cartons are Best Before and Production date coded, checkweighed and metal detected, palletised and stretch wrapped before being returned to store at -18°C to await despatch to the UK at -18°C.

DEFECT TOLERANCES

<u>Per 1000g</u>	<u>Maximum</u>
Clumps	4
Foreign Matter	Nil
EVM	2
Green Stalk	20%w/w
Stalk >25mm	15%w/w
Blemish	10
Stalk without floret head	10%w/w
Colour Defects	15%w/w
Out of size (<20mm; >40mm)	20%w/w
Dust<10mm	5%w/w

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DEFINITIONS OF DEFECTS

Clumps

These are two or more florets fused together by freezing or where a number of broken pieces or dust is fused together to give a clump larger than 25g.

Foreign Material

This includes any material not derived from the cauliflower plant or defined as EVM, such as insects, pieces of insects, wood, glass, stones, metal, snails, slugs or any other material which will render the product unacceptable.

Extraneous Vegetable Matter (EVM)

This includes any harmless vegetable material other than the cauliflower florets, such as pieces of cauliflower leaves and attached or unattached core.

Green Stalk.

These are stalks with visibly greenish tonality

Stalk >25mm

Florets with a stalk greater than 25mm

Blemish

A floret which bears blemishes caused by disease or insects or other factors to the extent that the affected area or areas in aggregate total is greater than 2mm.

Colour Defects

This includes florets which have areas of brown or purple >20mm.

Undersize

Any unit which is less than 20mm. Undersize units are measured across the biggest dimension of the floret.

Oversize

Any unit which is greater than 40mm. Oversize units are measured across the smallest dimension of the floret.

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ORGANOLEPSIS (Carried out on a thawed sample.)

COLOUR

Bright, white or creamy white florets. There may be very slight non-uniformity in colour amongst florets and/or amongst stalks.

FLAVOUR

Full characteristic sweet flavour cauliflower floret.

TEXTURE

Tender, firm florets and stalks, yielding to the bite.



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>	5×10^2	3×10^3
<i>E. coli</i>	1×10^1	1×10^2
<i>Listeria mono</i>	Absent in 25g	1×10^2
<i>Salmonella</i>	Absent in 25g	Absent in 25g

ANALYTICAL Product shall be blanched to give a negative peroxidase reaction (guaiacol test) between 50 and 60 seconds.

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 cauliflower typically contains: -

Parameter	Value / 100g	Methodology
Energy - kcal	27	McCance & Widdowson 5 th Edition
Energy - kJ	115	McCance & Widdowson 5 th Edition
Moisture	90.8g	McCance & Widdowson 5 th Edition
Carbohydrate	2.8g	McCance & Widdowson 5 th Edition
- as sugars	2.0g	McCance & Widdowson 5 th Edition
- as polyols	0.0g	McCance & Widdowson 5 th Edition
- as starch	0.7g	McCance & Widdowson 5 th Edition
Fat	0.5g	McCance & Widdowson 5 th Edition
- as saturates	0.1g	McCance & Widdowson 5 th Edition
- as mono unsaturates	0.1g	McCance & Widdowson 5 th Edition
- as poly unsaturates	0.3g	McCance & Widdowson 5 th Edition
Protein	2.9g	McCance & Widdowson 5 th Edition
Fibre	1.4g	McCance & Widdowson 5 th Edition
Sodium	16mg	McCance & Widdowson 5 th Edition
Vitamin A	8µg	McCance & Widdowson 5 th Edition
Vitamin B ₆	0.19mg	McCance & Widdowson 5 th Edition
Vitamin B ₁₂	0.0mg	McCance & Widdowson 5 th Edition
Vitamin C	49mg	McCance & Widdowson 5 th Edition
Vitamin D	0.0µg	McCance & Widdowson 5 th Edition
Vitamin E	0.22mg	McCance & Widdowson 5 th Edition
Thiamin	0.05mg	McCance & Widdowson 5 th Edition
Riboflavin	0.05mg	McCance & Widdowson 5 th Edition
Niacin	0.5mg	McCance & Widdowson 5 th Edition
Folic Acid	26µg	McCance & Widdowson 5 th Edition
Biotin	1.5µg	McCance & Widdowson 5 th Edition
Pantothenic Acid	0.6mg	McCance & Widdowson 5 th Edition
Calcium	26mg	McCance & Widdowson 5 th Edition
Phosphorus	47mg	McCance & Widdowson 5 th Edition
Iron	0.5mg	McCance & Widdowson 5 th Edition
Magnesium	11mg	McCance & Widdowson 5 th Edition
Zinc	0.3mg	McCance & Widdowson 5 th Edition
Iodine	Trace	McCance & Widdowson 5 th Edition
Potassium	670mg	McCance & Widdowson 5 th Edition

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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	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/Celery	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
None					

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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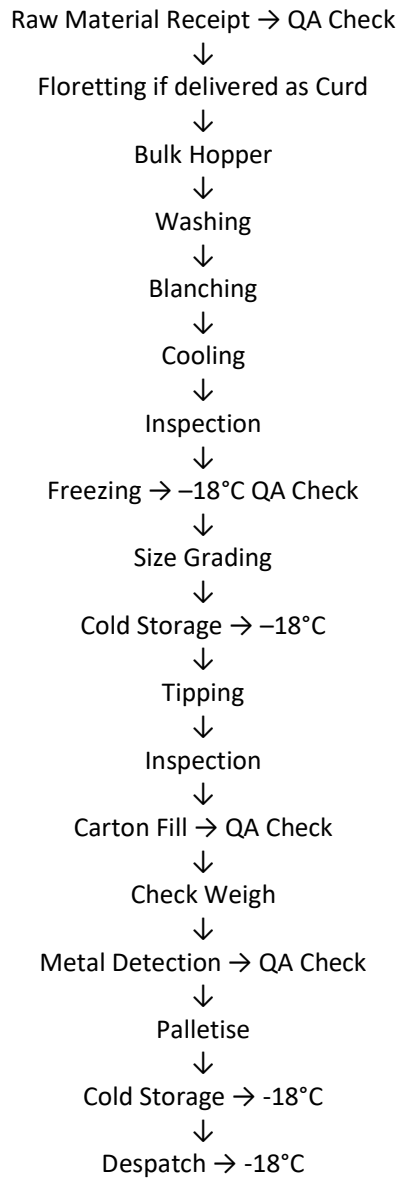
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PROCESS INFORMATION

PROCESS FLOW CHART*

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

CAULIFLOWER FLORETS



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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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