



ARDO UK PRODUCT SPECIFICATION

Product name:	IQF Fruit Brunoise 4x2.5kg
Product code:	3XFB610
External code:	XBF610
Date of first version :	10/05/2011
Date of revision:	23/02/2021
Version number:	9

DESCRIPTION



Legal name	Quick-frozen Fruit Brunoise mix
Latin name	<i>Fragaria x ananassa, Ananas Comosus, Mangifera Indica and Prunus persica</i>
Origin	Strawberries – Morocco, Spain, Egypt, Turkey Pineapple - Costa Rica Peach - Greece Mango – India, Peru
Process description	Fruit Brunoise is produced by mixing and packing of quick-frozen 10 x 10mm diced strawberries, pineapple, peach and mango. Each ingredient shall be produced from ripe, clean and sound fruits by cleaning, processing, sorting and freezing in accordance with good manufacturing and commercial practice. The process should ensure stability of colour and flavour and product temperature shall be lower than - 18°C.
Cut size	10 x 10 x 10mm
Ingredient declaration	Strawberries 33% / Pineapple 25% / Peach 25% / Mango 17%

Organoleptic

Appearance	The fruits should exhibit a ripe colour typical of the individual fruits.
Aroma	Fruits should possess a clean, delicate natural aroma, with each individual item contributing to an overall product aroma with no off taints or odours present.
Flavour	Fruits should possess a clean, delicate natural flavour, with each individual item contributing to an overall sweet product flavour with no off taints or flavours present.
Texture	Texture should be uniformly firm, but tender.



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MICROBIOLOGICAL STANDARDS (cfu/g)

	MAXIMUM
Total Viable Count	500,000
Coliforms	1,000
E. coli	50
Yeast	50,000
Moulds	10,000
<i>Listeria monocytogenes</i>	10
<i>Salmonella</i>	absent/25g

AVERAGE NUTRITIONAL VALUES

	per 100 g	unit	% RI*	RI*
Energy	187	kJ	2%	8400
Energy	45	kcal	2%	2000
Fat	0.3	g	< 1%	70
of which saturates	0.00	g	< 1%	20
Carbohydrate	8.6	g	3%	260
of which sugars	8.6	g	10%	90
Fibre	2.4	g	10%	24
Protein	0.7	g	1%	50
Salt	0.00	g	< 1%	6

*Reference intake of an average adult (8400 kJ / 2000 kcal)

Source	Based on Nutricalc Neo Software v.42 (cf. McCance & Widdowson 7th Edition)
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ALLERGEN INFORMATION

Allergens according to the EU Regulation 1169/2011 and its modifications:	
	Product contains (+) or is free from (-)
Gluten from cereals: wheat, rye, barley, oats, spelt, kamut or their hybridised strains, and products thereof; except: 1/ wheat based glucose syrups including dextrose, 2/ wheat based maltodextrins, 3/ glucose syrups based on barley, 4/ cereals used for making alcoholic distillates including ethyl alcohol of agricultural origin.	-
crustaceans and products thereof	-
eggs and products thereof	-
fish and products thereof; except: 1/ fish gelatine used as carrier for vitamin or carotenoid preparations, 2/ fish gelatine or Isinglass used as fining agent in beer and wine	-
peanuts and products thereof	-
soybeans and products thereof; except: 1/ fully refined soybean oil and fat, 2/ natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources, 3/ vegetable oils derived phytosterols and phytosterol esters from soybeans sources, 4/ plant stanol ester produced from vegetable oil sterols from soybean sources	-
milk and products thereof (including lactose); except: 1/ whey used for making alcoholic distillates including ethyl alcohol of agricultural origin, 2/ lactitol	-
nuts i.e. almonds, hazelnuts, walnuts, cashews, pecan nuts, brazil nuts, pistachio nuts, macadamia nuts and queensland nuts and products thereof; except: nuts used for making alcoholic distillates including ethyl alcohol of agricultural origin	-
celery and products thereof	-
mustard and products thereof	-
sesame seeds and products thereof	-
sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂	-
lupin and products thereof	-
molluscs and products thereof	-
Other allergens (according to LeDa-list):	
	Product contains (+) or is free from (-)
Beef	-
Pork	-
Chicken	-
Corn/Maize	-
Cacao	-
Legumes/pulses	-
Glutamate	-
Coriander	-
Carrot	-



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Free from:	
	Product contains (+) or is free from (-)
Oil refined to SCOPA std	-
Oil not refined to SCOPA std	-
Maize/Corn & derivates	-
Rice & rice derivates	-
Spices & spice extracts	-
Herbs & herb extracts	-
Yeast & Yeast extract	-
Fruit & Fruit Derivatives	+
Vegetable & Vegetable Derivatives	-
Leguminous Plants	-

Other:	
	Product contains (+) or is free from (-)
Additives	-
Natural Colours	-
Artificial Colours	-
Azo Dyes	-
Natural Flavourings	-
Flavouring Substances	-
Flavour Enhancers	-
MSG	-
Artificial Preservatives	-
BHA	-
BHT	-
Emulsifiers	-
Stabilisers	-
Artificial Sweeteners	-
Sugar	-
Molasses	-
Maltodextrin	-
Salt	-
Salt Substitutes	-
Irradiated Ingredients	-
Genetically Modified Material	-

Suitable for

	Yes	No	Remark
Kosher		v	not certified
Halal		v	not certified
Coeliacs	v		
Diabetics	v		
Lactose intolerant	v		
Vegetarians	v		
Ovo-lacto vegetarians	v		
Vegans	v		
Nut/seed allergy	v		





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DEFECTS - STRAWBERRIES

DEFINITIONS

<p>Foreign Matter (FM): Any matter of non-vegetable origin such as stones, soil, insect, wood, metal, plastic, and any toxic vegetation or anything which will render the product unacceptable.</p>		<p>Clumps: where dices are fused together and cannot be readily separated without damaging the pieces</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Calyx: This may or may not be attached to the fruit.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Stalk: This may or may not be attached to the fruit.</p>	
<p>Blemishes and over-ripe: Discoloured or blemished dices caused by mould, bird damage, slugs etc.</p>		<p>Under-ripe: where more than one third of the dice is green or white as a result of immaturity.</p>	data-bbox="728 438 901 502"/>

NOMINAL SIZE

	TOLERANCE
10x10x10mm	8-15mm

TOLERANCES

Assessed on a 2000g sample - Frozen	
Foreign Matter - No.	0
FEVM - No.	0
E.V.M. - No.	1
Calyx - No.	3
Stalk - No.	2
Clumps	
>30mm (%w/w)	5%
<30mm (%w/w)	10%
Oversize <8mm (%w/w)	3%
Undersize >15mm (%w/w)	3%
Assessed on a 250g sample - Defrosted	
Blemishes (%w/w)	1%
Under-ripe (%w/w)	2%




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DEFECTS - PINEAPPLE

DEFINITIONS

<p>Foreign Matter (FM): Any matter of non-vegetable origin such as stones, soil, insect, wood, metal, plastic, and any toxic vegetation or anything which will render the product unacceptable.</p>		<p>Major Blemish: Pieces with insect infestations, blemish of other sorts (this includes browning/bruising) affecting an area > a circle 6mm diameter of the dice (excluding rotten area).</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Minor Blemish: Any of the above major blemishes affecting an area < a circle 6mm diameter of the dice.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Core: Badly cleaned dices with hard core – pale yellow and hard.</p>	
<p>Clumps/Block frozen: 3 or more pieces sticking together which do not separate without damage.</p>		<p>Colour Variants: Pieces that are noticeably different in colour within a given sample or significantly mottled or multi coloured >5mm.</p>	
<p>Peel: Dices with dark flecks of peel >2mm loose or attached.</p>		<p>Mashed units: Pieces which have been squashed and do not have the general configuration of a segment.</p>	
		<p>Rot/Decay: rot or decompose through the action of bacteria and fungi.</p>	

NOMINAL SIZE

Cut 1/16	TARGET	TOLERANCE
Length	10 mm	8-15 mm
Thickness	10 mm	8-15 mm
Width	10 mm	8-15 mm

TOLERANCES

Assessed on a 1000g sample – Frozen	
BRIX	12 +/-3
Oversize (%w/w) >12mm<15mm	10%
Oversize (%w/w) >15mm	0
Undersize (%w/w) <8mm	15%
Colour Variants (% w/w)	5%
DEFECTS	MAX per sample
FM - No.	0
FEVM - No.	0
EVM - No.	0
Peel - No.	2
Major Blemishes - No.	2
Minor Blemishes - No.	5
Rot/Decay - No.	0
Clumps (w/w)	40g
Mashed units (w/w)	40g
Core (w/w)	40g









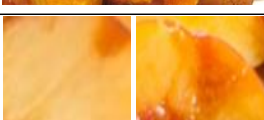


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DEFECTS - PEACH

DEFINITIONS

Foreign Matter (FM): Any matter of non-vegetable origin such as stones, soil, insect, wood, metal, plastic, and any toxic vegetation or anything which will render the product unacceptable.		Mouldy Pieces: These are dices which are completely rotten or have more than 25% of their surfaces covered in mould.	
Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.		Damaged: Fragmentation, total fragmentation.	
Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit i.e. peel, stalk.		Oxidised pieces: These are dices which are completely oxidised or have more than 25% of their surfaces oxidised.	
Major Blemishes: These are dices which are discoloured or blemished bird damage or other agencies covering the >25% surface of the dice		Stone Fragments: Should be absent in a given sample. If present < 3mm	
Blemishes: These are dices which are discoloured or blemished bird damage or other agencies covering the <25% of the dice		Oversized: >12mm in any direction Undersized: 8-<10mm in any direction <7mm in any direction	

NOMINAL SIZE

	TARGET	TOLERANCE
LENGTH	10mm	7-12mm
THICKNESS	10mm	7-12mm
WIDTH	10mm	7-12mm

TOLERANCES

Assessed on a 1000g sample - Frozen	
FM	0
FEVM	0
EVM	3
Major Blemishes	1
Blemishes	6
Leaf	1
Stalk	2
Stone fragments	2
Damaged	0
Oxidated (% w/w)	0.5%
Mouldy pieces (% w/w)	0.1%
Peel (% w/w)	1%
Oversized: >12mm in any direction	3
Undersized: 8-<10mm in any direction	3%
<7mm in any direction	8%











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DEFECTS - MANGO

DEFINITIONS

<p>Foreign Matter (FM): Any matter of non-vegetable origin such as stones, soil, insect, wood, metal, plastic, and any toxic vegetation or anything which will render the product unacceptable.</p>		<p>Colour Variants: Any pieces that are noticeably different in colour within a given sample or significantly moulded or multi coloured to an area >5mm.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Clumps: 3 or more pieces sticking together which do not separate without damage.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Skin: any loose pieces of skin or any attached to dice.</p>	
<p>Major Blemish: Insect infestations, rotten area, blemish of other sorts affecting an area >6mm in diameter of the dices (this includes browning/ bruising)</p>		<p>Minor Blemish: Insect infestations, rotten area, blemish of other sorts affecting an area <6mm in diameter of the dices (this includes browning/ bruising)</p>	
<p>Undersize: Pieces with one or more sides less than 25% of nominal size in any one or more dimension.</p>		<p>Oversize: Pieces which are more than 25% greater than the specified size in any one or more dimensions</p>	

NOMINAL SIZE

	TARGET	TOLERANCE
LENGTH	10mm	8-15mm
THICKNESS	10mm	8-15mm
WIDTH	10mm	8-15mm

TOLERANCES

Assessed on a 1000g sample - Frozen	
FM	0
FEVM	0
EVM	0
Colour variants (%w/w)	3%
Major Blemish - No.	0
Minor Blemish - No.	4
Oversize (%w/w)	5%
Undersize (%w/w)	5%
Clumps (%w/w)	5%
Skin	0

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PACKAGING

Net weight	10kg
Pack Type	4x2.5kg
Packaging	PE bag in cardboard box
Inner Packaging	300x450mm
Outer Packaging	385x255x205mm
Palletisation	9 cardboard boxes / layer
Pallet	Euro pallet
Lot number	XXYYDDD: where XX relates to factory code, YY is the year, DDD is the Julian date code
Best Before	24 months
Minimum Shelf Life on delivery	100 days
Storage conditions	Keep frozen at -18°C or below
Storage Defrosted	Keep refrigerated and use within 24 hours.

Inner pack coding



Outer case coding



Inner packaging



RECOMMENDED USE

Defrost: Remove frozen fruit from all packaging and place on serving plate. Defrost thoroughly for a minimum of 21/2 hours at room temperature or for a minimum of 12 hours in the refrigerator. Keep refrigerated once defrosted. Use within 24 hours.



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WARRANTY

We warrant that this product, intended for food use will meet the requirements of Acts, Regulations and Orders applicable in the United Kingdom relating to the goods supplied, including but not necessarily limited to the following:

The Food Safety Act 1990 and all relevant Regulations and their amendments.

The Food Hygiene (England) Regulations 2006 and all relevant amendments.

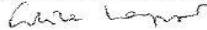
The Materials and Articles in Contact with Food (England) Regulations 2005 and all relevant amendments.

All regulations made as a result of the requirements of European Union Directives and Regulations.

GENERAL STATEMENTS

Pesticides	in accordance with EC regulation 396/2005 and its modifications
Heavy metals, mycotoxins and nitrates	in accordance with EC regulation 1881/2006 and its modifications
GMO	the product is free from GMO, according to the EC regulations 1829/2003 and 1830/2003 and its modifications

APPROVAL

	Approved on behalf of:	Approved on behalf of:
Company name:	Ardo UK Limited Ashford Road, Charing, Ashford, Kent, TN27 0DF, UK Tel: +44 (0)1233 714714 Fax +44 (0)1233 714777	
Name:	Eliza LANGNER	
Function:	Technologist	
Date:	23/02/2021	
Signature + stamp:	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> ARDO UK LTD ASHFORD ROAD CHARING ASHFORD KENT TN27 0DF </div> 	
Remarks:		



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REVISIONS

Reason for revision	Date
External code, Revisions added	11/05/2017
Minimum shelf life on delivery updated, ingredient percentage included	02/11/2017
Defects visuals added	21/03/2018
COOs, process description, microbiological standards, palletisation and minimum shelf-life on delivery updated	23/02/2021