



ARDO UK PRODUCT SPECIFICATION

Product name:	IQF Fruit Berry Mix 10x1kg
Product code:	032220UK
External code:	XBE001
Date of first version :	04/08/2004
Date of revision:	09/09/2021
Version number:	15

DESCRIPTION

RECEIVED

Thomas Ridley QC Dept.
3:12 pm, 17 Jan 2024

The food information supplied by Thomas Ridley Foodservice has been provided by the respective product manufacturers. Whilst we use reasonable endeavours to check this information and ensure its accuracy, we do not give any warranty (whether express or implied), guarantee or representation that it is true, accurate or complete in any respect.

As product information, ingredients, nutritional guides and dietary or allergy advice may change from time to time, we recommend that you always carefully read the product label prior to using or consuming any such products. You should not solely rely upon the information we provide and make your own assessment as to the suitability or otherwise of any given product.



Legal name	Quick-frozen Fruit Berry Mix
Latin name	<i>Fragaria × ananassa, Ribes rubrum, Vaccinium corymbosum, Rubus laciniatu, Rubus idaeu, Ribes nigrum</i>
Origin	Redcurrants – Poland, Denmark Strawberries – Turkey, Morocco, Spain, Poland, China, Chile Blackberries - Serbia, Poland, Chile Blackcurrants – Poland, Denmark Raspberries - Serbia, Poland, Chile Blueberries - USA, Canada, Chile, Arqentina
Process description	Quick-frozen colorfull mix of berries. Each of the fruits shall be produced from clean, sound berries by cleaning, processing, sorting and freezing. The process should ensure stability of colour and flavour and product temperature shall be lower than -18°C.
Size	see size definition of each component
Ingredient declaration	Redcurrants (25%), Strawberries (20%), Blackberries (17.5%), Blackcurrants (15%), Whole and Broken Raspberries (15%), Cultivated Blueberries (7.5%)

Organoleptic

Appearance	The berries should exhibit a ripe colour varying from mid red through to dark red/purple with each component within the mix being typical to the varieties used.
Aroma	Clean, delicate natural aroma, with each individual item contributing to an overall sweet aroma, with no off odours or taints present.
Flavour	Clean, delicate natural flavour, with each individual item contributing to balnced sweet/sharp flavour, with no off flavours present.
Texture	The texture of the berries should be good with all berries firm, but succulent.



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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>	100
<i>Salmonella</i>	absent/25g

AVERAGE NUTRITIONAL VALUES

	per 100 g	unit	% RI*	RI*
Energy	155	kJ	2%	8400
Energy	37	kcal	2%	2000
Fat	0.2	g	< 1%	70
of which saturates	0.00	g	< 1%	20
Carbohydrate	5.6	g	2%	260
of which sugars	5.6	g	6%	90
Fibre	4.6	g	19%	24
Protein	1.0	g	2%	50
Salt	0.01	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 - RED CURRANTS

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: redcurrants should possess a good red colour typical of the variety used as per contract with little variation in a given sample. Any that are conspicuously different in colour such as 'pales' or under-ripe shall be minimal.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Damaged: Currants those are not whole or complete through natural or mechanical damage or damage of other sorts.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Stalk (attached or loose): These should be absent in a given sample of blackcurrants</p>	
<p>Major Blemish: Insect infestation, rotten area or area of damage affecting 33% or more of a currant.</p>		<p>Minor Blemish: As for major blemish but affecting between 20% and 30% of a currant.</p>	
<p>Oversize: Currants those are greater than 15mm in diameter.</p>		<p>Undersize: Currants that are less than 5mm in diameter.</p>	

NOMINAL SIZE

5-15mm in diameter

TOLERANCES

Assessed on a 1000g sample - Frozen	
FM	0
FEVM	0
EVM	0
colour variants (number)	20
Major Blemish (%w/w)	5%
Minor Blemish (%w/w)	7%
Damaged Currants (%w/w)	5%
Oversize (%w/w)	7%
Undersize (%w/w)	7%
Stalk (number)	10
Flavour	Tart, tangy, slightly sweet and typical of variety



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DEFECTS - STAWBERRIES

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>Welding: Two or more strawberries welded together, and which cannot be readily separated without causing damage to the berry. Number of berries affected shall be recorded. These strawberries shall then be separated and assessed for the remainder of the defects.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Damaged: Any strawberry which is broken, squashed or seriously malformed in appearance.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Attached Calyx/stalk: incomplete removal of Calyx or stalk, where part of same remains attached to the berry.</p>	
<p>Major Blemish: Discoloured or blemished areas caused by mould, bird damage, slugs etc. which are greater than an equivalent circle 6mm in diameter, or an aggregate of blemishes equivalent to a circle 6mm in diameter on the same berry.</p>		<p>Minor Blemish: Same as major blemishes, but affecting areas equivalent to a circle 2 - 6mm in diameter of the total berry. Single blemishes of less than 2mm diameter shall be ignored. Over-ripe berries shall be classed as minor defects.</p>	
<p>Size Grading: To be determined by measuring the diameter of the berry at its widest point. 90% of the sample should lie within the specified size range. (Min 90% by weight)</p>			

NOMINAL SIZE

	TOLERANCE
Nominal diameter	15-26 mm

TOLERANCES

Assessed on a 1000g sample (Frozen)	
Welding - No.	4
Foreign Matter - No.	0
FEVM - No.	0
E.V.M. - No.	1
Under-ripe - No.	10
Major Blemishes, over-ripe berries - No.	2
Minor Blemishes - No.	8
Damaged - No.	2
Malformed - No.	2
Attached Calyx/stalk - No.	4
Total defects - No.	20
Size	90% within spec.














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DEFECTS - BLACKBERRIES

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>Welding: When two or more blackberries are fused together by freezing and cannot be separated without damage</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Under-ripe berries: berries, which do not have a dark purple/black colour</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Moulded berries: If an area greater than 6mm is moulded or rotten.</p>	
<p>Major Blemish: areas of the blackberry which are discoloured or blemished to an area equal or greater than 6 mm, either by one blemish or an aggregate of blemishes on the same berry.</p>		<p>Damaged and broken: any blackberry, which is broken, squashed or seriously malformed</p>	
<p>Minor Blemish: areas which are discoloured or blemished to the extent where area less than 6mm is affected. Overripe berries are also a minor blemish. Blemish < 2 mm is to be ignored.</p>		<p>Colour Variants: these are berries that are conspicuously different in colour from the natural colour of the variety or varieties used as per contract.</p>	
<p>Attached stalk: Where the removal of the stalk has been incomplete or no removal at all</p>		<p>Undersize: berries with a diameter smaller than 17 mm</p>	

NOMINAL SIZE

>17mm in diameter

TOLERANCES

Assessed on a 1000g sample - Frozen	Max
FM	0
EVM	2
Clumps (%w/w)	5%
Under-ripe berries (No.)	5
Moulded (No.)	0
Major blemish (No.)	8
Minor blemish (No.)	15
Damage (No.)	5
Colour variants (%w/w)	20%
Attached stalk (No.)	0
Undersize (%w/w) : < 17 mm	10%
< 12 mm	2%

Reviewable monitoring of dimension - target 70% >18mm length











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DEFECTS - BLACKCURRENTS

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: Blackcurrants should possess a good dark purple/black colour typical of the variety or varieties used as per contract with little variation in a given sample. Colour Variants - Currants <50% surface area not of 'ripe' colour.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Damaged: Currants those are not whole or complete through natural or mechanical damage or damage of other sorts.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Stalk (attached or loose): These should be absent in a given sample of blackcurrants</p>	
<p>Major Blemish: Insect infestation, rotten area or area of damage affecting 33% or more of a currant.</p>		<p>Minor Blemish: As for major blemish but affecting between 20% and 30% of a currant.</p>	
<p>Oversize: Currants those are greater than 15mm in diameter.</p>		<p>Undersize: Currants that are less than 9mm in diameter.</p>	

NOMINAL SIZE

12mm in diameter

TOLERANCES

Assessed on a 1000g sample - Frozen	
FM	0
FEVM	0
EVM	0
colour variants (number)	20
Major Blemish (%w/w)	5%
Minor Blemish (%w/w)	7%
Damaged Currants (%w/w)	5%
Oversize (%w/w)	7%
Undersize (%w/w)	7%
Stalk (number)	10
Flavour	Good, typical of variety

Reviewable monitoring of dimension: Target 70% >12mm













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DEFECTS - RASPBERRIES

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>Welding: Where two or more berries are fused together by freezing and cannot be readily separated without damaging the fruit. The number of berries occurring in clumps should be weighed.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Under ripe Berries: Where more than one third of the berry is which or green as a result of immaturity. Unfertilised, small undeveloped berries are also included in this category.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Moulded berries: these are berries which are completely rotten or have more than 25% of their surface covered in mould.</p>	
<p>Major Blemish: These are berries which are discoloured or blemished by wind rub, mould, bird damage or other agencies so that an area of the berry greater than an equivalent circle 6mm in diameter is affected either as one blemish or an aggregate of blemishes on the same berry.</p>		<p>Crushed Berries: These are whole berries whose sides have been flattened and which possess burst drupelets</p>	
<p>Minor Blemish: These are berries which are discoloured or blemished by wind rub, mould, bird damage, or other agencies so that an area of the berry equivalent to a circle 2 - 6mm in diameter is affected either as one blemish or as an aggregate of blemishes on the same berry.</p>		<p>Unplugged Berries: These are berries where the plug remains in the fruit. It may or may not be attached to the calyx or stalk.</p>	

NOMINAL SIZE

N/A

TOLERANCES

Assessed on a 500g sample (Frozen)	
Welding (%w/w) - IQF Berries only	10%
FM	0
FEVM	0
EVM	2
Under-ripe berries (No)	4
Mouldy Berries (No.)	0
Major Blemishes (No.)	8
Minor Blemishes (No.)	20
Crushed Berries (No.)	10
Whole Berries / Crumb (% w/w)	50%
Unplugged Berries (No.)	2











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DEFECTS - BLUEBERRIES

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: Good, typical of variety or varieties used, as per contract, no white berries to be included.</p>	
<p>Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.</p>		<p>Damaged: Berries those are not whole or complete due to mechanical damage, natural damage or damage of other sorts.</p>	
<p>Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.</p>		<p>Stalks: This applies to attached or loose stalks.</p>	
<p>Major Blemish: Insect infestation, damage, mould, rotten area or other type of blemish affecting 33% or more of a berry.</p>		<p>Oversize: berries those are larger than 15mm in length.</p>	
<p>Minor Blemish: As for major blemish but affecting between 20% and 33% of a berry.</p>		<p>Undersize: berries those are smaller than 9mm in length.</p>	

NOMINAL SIZE

diameter of 12mm

TOLERANCES

Assessed on a 1000g sample - Frozen	Grade A
FM	0
FEVM	0
EVM	5
Colour variants - No.	20
Major Blemish (%w/w)	7%
Minor Blemish (%w/w)	10%
Damaged Currants (%w/w)	7%
Oversize (%w/w)	7%
Undersize (%w/w)	7%
Stalk - No	10

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PACKAGING

Net weight	10kg
Pack Type	10x1kg
Packaging	LDPE bag in cardboard box
Inner Packaging	250x280mm
Outer Packaging	385x285x160mm
Palletisation	10 cardboard boxes / layer
Pallet	90 cardboard boxes / pallet
Lot number	Blue Chep pallet
Lot number	XXYYDDD: where XX relates to factory code, YY is the year, DDD is the Julian date code
Best Before	30 months
Minimum Shelf Life on delivery	9 months
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 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:	Vladimir IVANOV	
Function:	Technologist	
Date:	09/09/2021	
Signature + stamp:		
Remarks:		



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REVISIONS

Reason for revision	Date
External code, Revisions added	15/05/2017
Minimum shelf life on delivery updated, Defects visuals added	22/03/2018
Specification out of date, reviewed no changes	09/09/2021