



ARDO UK PRODUCT SPECIFICATION

Product name:	IQF Vegetable Mix 10x1kg
Product code:	3MV5322UK
External code:	MV532A
Date of first version :	16/01/2008
Date of revision:	15/05/2020
Version number:	9

DESCRIPTION



Legal name	Quick-frozen Vegetable Mix
Latin name	<i>Daucus carota, Phaseolus vulgaris, Vicia faba, Pisum Sativum, and Zea mays.</i>
Origin	Belgium, France, Netherlands, Poland, Spain, Portugal, Denmark, UK, Germany
Process description	Quick-frozen Vegetable Mix is a colourful mix of individually quick frozen vegetables. Each of the vegetables shall be produced from clean, sound raw materials by cleaning, processing, sorting and freezing in accordance with good commercial practice. The process should ensure stability of colour and flavour and product temperature shall be lower than -18°C.
Cut size	see definition of each component
Ingredient declaration	Diced Carrots (45%), Garden Peas (35%), Cut Green Beans (10%), Sweetcorn (6%), Broad Beans (4%)

Organoleptic

Appearance	The vegetables should exhibit a ripe colour with each component within the mix being typical to the variety and grade used.
Aroma	Clean, delicate natural aroma, with each individual item contributing to an overall product aroma with no off odours or taints present and typical to grade used.
Flavour	Clean, delicate natural flavour, with each individual item contributing to an overall product flavour with no off flavours present and typical to grade used.
Texture	The texture of the vegetables should be good with all individual components firm but succulent according to grade used.



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MICROBIOLOGICAL STANDARDS (cfu/g)

	MAXIMUM
Total Viable Count	1,500,000
Coliforms	10,000
E. coli	100
Yeast and Moulds	5,000
<i>Staphylococcus aureus</i>	100
<i>Listeria monocytogenes</i>	100
<i>Salmonella</i>	absent/25g

AVERAGE NUTRITIONAL VALUES

	per 100 g	unit	% RI*	RI*
Energy	221	kJ	3%	8400
Energy	52	kcal	3%	2000
Fat	0.7	g	1%	70
of which saturates	0.20	g	1%	20
Carbohydrate	8.1	g	3%	260
of which sugars	4.3	g	5%	90
Fibre	3.7	g	15%	24
Protein	3.3	g	7%	50
Salt	0.60	g	10%	6

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

Source	Based on Nutricalc Software FX3 v.40 (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 - CARROTS

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.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.

Clumps: These are where three or more dices are frozen together which cannot be readily separated without causing damage. Clumps of more than 6 dices are unacceptable in Campden Grade A. Clumps should be thawed out and examined for Foreign Matter. The number of slices occurring in clumps should be counted and reference made to the tolerances for defects table.

Gross Blemish: A carrot dice which is blemished to a gross degree is one which has black, dark brown or decomposed area either as greater than 25% of the surface area of the dice, or as greater than 25% of the circumference.

Minor Blemish: A minor blemish is a discoloured area (other than green, but including faulty peeling), either as a single blemish or as an aggregate of blemishes covering an area less than an equivalent circle of 6mm diameter. Single blemishes less than an equivalent circle 2mm in diameter shall be ignored.

Major Blemish: This includes areas of slices which have been seriously affected by insects, disease, rot, discoloured cracks, black tops or other agencies, to the extent that (singly or in aggregate) the area affected is equal to or greater than an equivalent circle of 6mm in diameter.

Greening: A dice with greening is one which has a green, peeled area greater than half its surface area.

Oversized: this includes dice which are larger than one and a half times the declared size in any one or more dimensions.

NOMINAL SIZE

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

TOLERANCES

Assessed on 1000g sample (Frozen)	
Foreign Matter (FM)	0
Foreign Extraneous Vegetable Matter (FEVM)	0
Extraneous Vegetable Matter (EVM)	1
Clumps	10
Assessed on 250g sub-sample for 10mm dice	
Gross Blemish – No.	0
Major Blemish – No.	3
Greening – No.	10
Minor Blemish – No.	10
Oversize (% w/w)	5%
Assessed on 500g sample 10mm dice - Frozen	
Undersize (% w/w)	10%



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DEFECTS - CUT GREEN BEANS

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.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit. EVM is divided into major EVM, stem ends and minor EVM as follows:

- Major EVM – includes any units greater than 12mm in any dimension whether attached or not.
- Minor EVM – includes any units less than 12mm in any dimension.

Long Pieces: These are units which are more than twice the nominal size of the cut green bean when measured along the central axis between the cut surfaces.

Minor Blemish: This includes units which are blemished through damage by insects or mechanical means or which have blackened, decomposed or discoloured areas (including diseased/blemished and wind rub) where the area affected is at least 2mm in diameter or length either as a single blemish or an aggregate of blemishes and which is not considered to be a major defect. Single blemishes of less than 2mm shall be ignored.

Major Blemish: this includes units which are blemished through damage by insects or mechanical means or which have blackened, decomposed or discoloured areas (including diseased/blemish and wind rub) where the area affected is greater than 6mm in diameter or length either as a single blemish or an aggregate of blemishes which are considered objectionable.

Poorly Cut: This refers to units where cutting is incomplete and/or where the angle of the cut is less than 45°.

Colour Variants: This refers to any unit which is conspicuously different in colour from the normal green of the rest of the sample. Cut beans which are paler on one side are not classed as colour variants.

NOMINAL SIZE

	TOLERANCE	
25mm (1")	<15	>35

TOLERANCES

Assessed on 1000g sample (Frozen)	Grade A
Foreign Matter (FM)	0
Foreign Extraneous Vegetable Matter (FEVM)	0
Extraneous Vegetable Matter (EVM) - Major	1
Extraneous Vegetable Matter (EVM) - Minor	5
500g sample (25mm cut)	
Long pieces (No.)	2
Oversize and Undersize (% w/w)	15%
Major Defects (No.)	8
Major & Minor Defects (No.)	20
Poorly Cut (% w/w)	5%
Colour Variants (% w/w)	4%
Size	85% within size tolerance



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DEFECTS - BROAD GREEN BEANS

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.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): This includes any vegetable material, other than the carrot dice, which is derived from the carrot plant.

Gross Blemish: These are beans that have a dark brown, dark purple or black area greater than an equivalent circle 12mm diameter, either as one blemish or as an aggregate of blemishes.

Minor Blemish: These are beans that have discoloured (including dark purple staining and bruising) or blemished areas less than an equivalent circle of 6mm diameter, either as one blemish or as an aggregate of blemishes.

Major Blemish: These are beans that have conspicuously discoloured (including dark purple staining and bruising) or blemished areas greater than an equivalent circle of 6mm diameter, either as one blemish or as an aggregate of blemishes. Black hilum is also major blemish.

Damaged: Those are beans that are not whole and complete, including beans that have been physically crushed, damaged or broken by mechanical means, and also pieces of beans, such as separate broken or whole cotyledons and loose skins.

Colour Variants: These beans that are conspicuously different in colour from the natural colour of the variety.

Cuts: beans in which the testa is split to more than 50% of its length, but in which the cotyledons remain complete.

NOMINAL SIZE

N/A

TOLERANCES

Assessed on 1000g sample (Frozen)	Grade A
Foreign Matter (FM)	0
Foreign Extraneous Vegetable Matter (FEVM)	0
Extraneous Vegetable Matter (EVM)	1
Assessed on 500g sample (rinsed free of surface ice)	
Gross Blemishes (number)	0
Major Defects (% w/w)	2%
Total Blemishes (Major and Minor) (% w/w)	5%
Damaged (% w/w)	6%
Poorly Cut (% w/w)	10%
Colour Variants (% w/w)	1%



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DEFECTS - PEAS

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.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): Any vegetable material originating from the plant, but excluding the fruit.

Splits and skins/ crushed: This includes:

- Peas where a whole cotyledon or large part of a cotyledon has been separated
- Separate whole cotyledons
- Loose skins or pieces of skin
- Peas wholly crushed

Khaki and/or sour: These are peas which are khaki in colour, and/ or which may display a sour taste or odour as result of disease and/ or serious delay in processing. This includes khaki skins or separate khaki cotyledons from process mishandling.

Blemished: These are peas which are stained or spotted, seriously blemished, insect damaged peas, seriously shrivelled peas or seed peas.

Blonds/white: These are edible peas, which are completely yellow or white. This does not include sour or rotten peas.

Pale: These are peas where more than one third of the surface is noticeably lacking in green colour, but remainder of the surface retains a tinge of green when compared with the rest of the sample.

NOMINAL SIZE

Medium: 8.75mm – 10.2mm

TOLERANCES

Assessed on a 1000g sample – Frozen	
Foreign Matter - No.	0
Foreign Extraneous Vegetable Matter - No.	0
Extraneous Vegetable Matter - No.	1
Assessed on 200g sample (frozen)	
Splits & Skins (%w/w)	10%
Cuts (% w/w)	15%
Khaki and/sour - No.	0
Blemished - No.	3
Blonds - No.	1
Pale - No.	20



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DEFECTS - SWEETCORN

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.

Foreign Extraneous Vegetable Matter (FEVM): Any vegetable matter not originating from the plant and which is non-toxic.

Extraneous Vegetable Matter (EVM): includes any vegetable material, other than sweetcorn kernels, which is derived from the sweetcorn plant, such as husk or leaf larger than 6mm in diameter, dark silks longer than 12mm, and pieces of unattached cob greater than an equivalent circle of 3mm in diameter.

Blemishes: discoloured or blemished areas, other than black eyes, equal to or greater than an equivalent circle of 2mm diameter, either as a single blemish or as an aggregate of blemishes.

Black Eyes: sweetcorn kernels which exhibit a complete or partial dark ring on the cut surface of the kernel. As defined in Figure 1 of Campden Spec L17-6.

Pale Silks: pale silks longer than 12mm.

Pulled Kernels (with attached stem): corn kernels which have not been cut, but have been pulled from the cob, and retain some stem tissue. As defined in Figure 2 of Campden Spec L17-6.

Damaged: Are those kernels which are crushed and/or have loose skins.

Miscut: Kernels which are cut above the line outside the range shown in Figure 4 of Campden Spec L17-6. This includes pulled kernels without attached stem - see Figure 3 of Campden Spec L17-6.

NOMINAL SIZE

N/A

TOLERANCES

Assessed on a 1000g sample – Frozen	
FM	0
FEVM	0
EVM	0
Assessed on 200g sample (rinsed free from ice)	
Blemished > 2mm	1
Black Eyes - No.	4
Pale Silks - No.	2
Pulled kernels – No.	4
Damaged kernels (%w/w)	4%
Miscut (%w/w)	5%



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PACKAGING

Net weight	10kg
Pack Type	10x1kg
Packaging	PE bag in cardboard box
Inner Packaging	250mm
Outer Packaging	390x285x160mm
Palletisation	10 cardboard boxes / layer
	90 cardboard boxes / pallet
Pallet	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	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



MIXED VEGETABLES 10 x 1KG



0 501160 924347 2

S/C: 3MV5322UK



MIXED VEGETABLES 10 x 1KG



0 501160 924347 2

ARDO UK LTD, ASHFORD ROAD, CHARING, ASHFORD, KENT TN17 0DF. Tel:(01223) 714714



P/C: 5116069
BBE:08/2018

Inner packaging/Outer case



RECOMMENDED USE

Boil: Add the required amount of frozen vegetables to boiling water. Cook until tender. Add spices to your own taste.

Microwave: Place desired quantity in non-metallic dish with 2 tablespoons of water and cover. Cook until tender. Drain and season to taste.



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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
GMO	the product is free from gmo, according to the EC

APPROVAL

	Approved on behalf of:	Approved on behalf of:	
Company name:	Ardo UK Limited <i>Ashford Road, Charing, Ashford, Kent, TN27 0DF, UK</i> Tel: +44 (0)1233 714714 Fax +44 (0)1233 714777		
Name:	Eliza LANGNER		
Function:	Technologist		
Date:	15/05/2020		
Signature + stamp:	<table border="1"><tr><td>ARDO UK LTD ASHFORD ROAD CHARING ASHFORD KENT TN27 0DF</td></tr></table> <i>Eliza Langner</i>	ARDO UK LTD ASHFORD ROAD CHARING ASHFORD KENT TN27 0DF	
ARDO UK LTD ASHFORD ROAD CHARING ASHFORD KENT TN27 0DF			
Remarks:			



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REVISIONS

Reason for revision	Date
External code, Revisions added	16/05/2017
Revisions added	15/05/2020