



ARDO UK PRODUCT SPECIFICATION

Product name:	IQF Sweetcorn 10x1kg
Product code:	3MAS322UK
External code:	MAS310
Date of first version :	11/11/2011
Date of revision:	28/05/2020
Version number:	6

DESCRIPTION



Legal name	Quick-frozen Sweetcorn
Latin name	<i>Zea Mays</i>
Origin	France, Spain
Process description	Quick-frozen Sweetcorn kernels are prepared by an appropriate manufacturing and freezing process from fresh, clean, sound cobs. The process shall ensure stability of colour and flavour and the product temperature shall not be warmer than -18°C after thermal stabilisation.
Cut size	N/A
Ingredient declaration	Sweetcorn (100%)

Organoleptic

Appearance	Characteristic Uniform, bright, characteristic pale yellow, yellow or golden yellow. May have slight orange tints.
Aroma	Full, natural and characteristic sweet flavour, without bitter, harsh or earthy flavour notes.
Flavour	Characteristic fresh immature corn flavour and free from objectionable off flavours or chemical taints.
Texture	Kernel contents are opaque and viscous, they tend to "pop" or "squirt" when chewed, and have reasonably tender skins (pericarps) which can be chewed easily, with no obvious fibre.



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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	404	kJ	5%	8400
Energy	96	kcal	5%	2000
Fat	2.4	g	3%	70
of which saturates	0.50	g	3%	20
Carbohydrate	14.0	g	5%	260
of which sugars	2.3	g	3%	90
Fibre	2.8	g	12%	24
Protein	3.2	g	6%	50
Salt	0.00	g	< 1%	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	✓		not certified
Halal	✓		not certified
Coeliacs	✓		
Diabetics	✓		
Lactose intolerant	✓		
Vegetarians	✓		
Ovo-lacto vegetarians	✓		
Vegans	✓		
Nut/seed allergy	✓		



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DEFECTS

DEFINITIONS

Clumps: A clump is defined as five or more kernels welded together, which cannot be readily separated without causing damage to the kernels. Clumps shall be defrosted after weighing, and examined for further defects.

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 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.

Major Blemish: Discoloured or blemished areas, other than black eyes, equal to or greater than an equivalent circle of 3mm diameter, either as a single blemish or an aggregate of blemishes. This also includes seriously shrivelled kernels.

Minor Blemish: Discoloured or blemished areas, other than black eyes, less than an equivalent circle 3mm in diameter.

Black Eyes: Sweetcorn kernels which exhibit a complete or partial dark ring on the cut surface of the kernel (see Figure 1).

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 (see Figure 2).

Damaged Kernels: Kernels which are crushed and/or have loose skins.

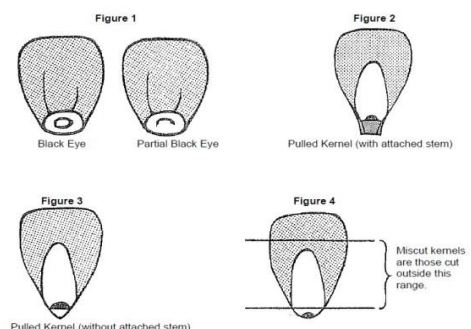
Miscut: Kernels which are cut above the line outside the range shown in Figure 4. This includes pulled kernels without attached stem (see Figure 3).

NOMINAL SIZE

N/A

TOLERANCES

Assessed on 1000g sample (frozen)	Grade A
Clumps (%w/w)	2%
Foreign Matter - No.	0
Foreign Extraneous Vegetable Matter - No.	0
Extraneous Vegetable Matter - No.	1
Assessed on 200g sample (rinsed free from ice)	
Major Blemishes - No.	0
Minor Blemishes - No.	3
Black Eyes - No.	6
Pulled kernels – No.	4
Damaged kernels (%w/w)	5%
Miscut (%w/w)	5%





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PACKAGING

Net weight	10kg
Pack Type	10x1kg
Packaging	PE bag in cardboard box
Inner Packaging	40µm 250x270mm
Outer Packaging	390x285x170mm
Palletisation	10 cardboard boxes / layer 100 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	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 packaging



Outer case coding



RECOMMENDED USE

Cook from frozen. Prepare as fresh vegetables with reduced cooking time. Ensure the product is piping hot before serving. Add spices to your own taste.

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-metalic 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 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:	28/05/2020		
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
New document format	07/06/2017
Revisions added	28/05/2020