

**PRODUCT SPECIFICATION**

number: 3500
initials: AS
date: 31/01/2025

IQF raspberries whole 90%**1. Description**

Product description	Quick-frozen Raspberries
Process description	Quick-frozen raspberries are prepared from ripe, firm, fresh, clean and sound raspberries by an appropriate freezing process to give free flowing product. The process will ensure stability of colour and flavour and the product temperature should be lower than -18°C after thermal stabilisation.
Latin name	<i>Rubus Idaeus</i>
Dimensions	<u>size</u> 90% whole
Ingredient	100% Raspberry
Vegetarian/vegan information	The product is suitable for vegetarians and vegans.
Organic	Not applicable

2. Microbiological standards (cfu/g)

	<u>MAXIMUM</u>
Total aerobic mesophile plate count	500.000
<i>Enterobacteriaceae</i>	1.000
<i>Escherichia coli</i>	100
<i>Listeria monocytogenes</i>	absent/25g
<i>Yeasts</i>	50.000
<i>Moulds</i>	10.000
<i>Salmonella</i>	absent/25g

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3. Chemical standards

Heat treatment	No heating process
Pesticides	in accordance with EC regulation 396/2005 and its modifications
Heavy metals, mycotoxins and nitrates	in accordance with EU regulation 2023/915 and its modifications
GMO	the product is free from GMO, according to the EC regulations 1829/2003 and 1830/2003 and its modifications
Irradiation	the product is not irradiated

4. Sensorial standards

	Per 200 g
Colour	Reasonably uniform (may range in intensity), deep bright red (typical of variety), some berries may have a 'deflated' appearance once defrosted.
Flavour/Odour	Fruity, initially sweet, with a lingering acid note typical of raspberries, no taints or off flavors/odours.
Texture	Uniform, firm and tender, some berry deflation may be present.

5. Average nutritional values

	per 100 g	unit	% RI* per 100 g	RI*
Energy	168	kJ	2%	8400
Energy	40	kcal	2%	2000
Fat	0,3	g	< 1%	70
of which saturates	0,1	g	1%	20
Carbohydrate	4,6	g	2%	260
of which sugars	4,6	g	5%	90
Fibre	6,8	g	-	-
Protein	1,4	g	3%	50
Salt	0,02	g	< 1%	6

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



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6. Allergen information

Allergens according to the EU Regulation 1169/2011 and its modifications:

	Product contains (+) or is free from (-)
Cereals containing gluten, namely: 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	-
contains naturally sulphites	-

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Defect	Definition
Foreign Matter (FM)	This includes any material not derived from the plant nor defined as FEVM. Examples of foreign matter include insects, pieces of insects, wood, glass, mineral stones, metal, snails, slugs, toxic vegetation etc.
Foreign Extranious Vegetable Matter (FEVM)	This includes any vegetable material not derived from the plant, and which is non-toxic. Examples are stalk pieces, leaves or pods,...
Extranious Vegetable Matter (EVM)	This includes any extraneous vegetable material derived from the plant, this includes leaf, leaf pieces, tendrils, pieces of pods, loose stems, twins, clusters, pieces of plants,...
Clumps / Freezer Burn	Pieces that are clustered that can't be separated without causing damage or that show dehydration damage.
Colour / immaturity	The units should possess a 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.
Rot/decay/mould	Discoloured or decomposed units through the action of bacteria or fungi.
Major blemishes > 33% surface	This includes product which is blemished on more than one third of the surface.
Minor blemishes < 33% surface	This includes product which is blemished on less than one third of the surface.
Crumb	Small fragments of product, significantly smaller than regular product size.
Calyx / Stem	Incomplete removal of calyx or stalk, where part of same remains attached to the product.

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IQF raspberries whole 90%**8. Defects**

Defect (*)	Sample size	UOM	MAXIMUM
Foreign Matter (FM)	500g	pcs/500g	Appropriate measures are taken to avoid FM
Foreign Extranious Vegetable Matter (FEVM)	500g	pcs/500g	Appropriate measures are taken to avoid FEVM
Extranious Vegetable Matter (EVM)	500g	pcs/500g	1
Clumps / Freezer Burn	500g	g/500g	50
Colour / immaturity	500g	pcs/500g	2
Rot/decay/mould	500g	pcs/500g	0
Major blemishes > 33% surface	500g	pcs/500g	4
Minor blemishes < 33% surface	500g	pcs/500g	10
Crumb	500g	g/500g	50
Calyx / Stem	500g	pcs/500g	0

(*) *Apart from the mentioned physical defects, all our products are in compliance with EU legislation and legislation from specific EU countries (example CTCPA from France)*

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Defrost at room temperature ($\pm 2,5h$) or in the refrigerator ($\pm 8h$). Rapid defrosting is possible by microwave on defrost mode. Once defrosted keep refrigerated and consume within 24 hours.
Do not refreeze after defrosting.

10. Storage instructions

-18°C, see BBD

11. Packing information

See packing specification

12. Approval

	Approved on behalf	Approved on behalf of:
Company name:	Ardo Group	
Name:	Lore Eggermont	
Function:	Product Specification Lead	
Date:	31/01/2025	
Signature:		