

**PRODUCT SPECIFICATION**

number: 3540
initials: RD
date: 22/03/2024

IQF Mango chunks 20x20mm**1. Description**

Product description

Quick-frozen mango

Process description

Quick-frozen mango shall be prepared from the sound ripe mango fruit by washing, peeling, de-stoning, cutting, and freezing process to give a free flowing product. The process should ensure stability of colour and flavour and the product temperature should not be warmer than - 18°C after thermal stabilization.

Latin name

Mangifera indica

Composition

size

Chunks20x20mm

Ingredient declaration

100% Mango

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

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

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4. Sensorial standards

	Per 200 g
Colour	Dark yellow/ pale orange in colour. Colour may range with intensity.
Flavour/Odour	Sweet, perfumed, lingering natural flavour of mango, with no off flavours present.
Texture	The texture of the mango should be firm but succulent

5. Average nutritional values

	per 100 g	unit	% RI* per 100 g	RI*
Energy	271	kJ	3%	8400
Energy	64	kcal	3%	2000
Fat	0,2	g	< 1%	70
of which saturates	0,1	g	1%	20
Carbohydrate	13,6	g	5%	260
of which sugars	13,3	g	15%	90
Fibre	2,6	g	-	-
Protein	0,7	g	1%	50
Salt	0,01	g	< 1%	6

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

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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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7. Definitions of defects

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 stalks 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,..
Colour / immaturity	Product which has not reached it's mature colour yet.
Oversize>30mm hand or >25mm machine	Hand cut: Pieces with one or more sides greater than 30mm. Machine cut: Pieces with one or more sides greater than 25mm.
Undersize<13mm hand or <15mm machine	Hand cut: Pieces with two or more sides less than 13mm. Machine cut: Pieces with two or more sides less than 15mm.
Off-cuts	Consistent and even size with no off-cuts (Pieces <10mm in two dimensions)
Damaged pieces	This includes units that are not whole or complete through natural, mechanical or other damages.
Rot/decay/mould	Discoloured or decomposed units through the action of bacteria or fungi.
Major blemishes >=6mm	This includes units which are blemished to the extent that the area affected is greater than an equivalent circle of 6mm in diameter or length, either as a single blemish, or an aggregate of blemishes. N.B. The area of 6mm diameter is approximately 28mm ²
Minor blemishes 2-6mm	This includes units which are blemished to the extent that the area affected is at least equivalent to a circle of 2mm in diameter, either as a single blemish or an aggregate of blemishes. Blemishes totalling less than an equivalent circle of 2 mm shall be ignored. N.B. The area of 6mm diameter is approximately 3mm ² .

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Clumps / Freezer Burn	Pieces that are clustered that can't be separated without causing damage or that show dehydration damage.
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Defect (*)	Sample size	UOM	MAXIMUM
Foreign Matter (FM)	1000g	pcs/1000g	Appropriate measures are taken to avoid FM
Foreign Extranious Vegetable Matter (FEVM)	1000g	pcs/1000g	Appropriate measures are taken to avoid FEVM
Extranious Vegetable Matter (EVM)	1000g	pcs/1000g	1
Colour / immaturity	1000g	g/1000g	50
Oversize>30mm hand or >25mm machine	1000g	g/1000g	50
Undersize<13mm hand or <15mm machine	1000g	g/1000g	100
Off-cuts	1000g	g/1000g	0
Damaged pieces	100pcs	pcs/100pcs	50
Rot/decay/mould	1000g	pcs/1000g	0
Major blemishes >=6mm	1000g	pcs/1000g	2
Minor blemishes 2-6mm	1000g	pcs/1000g	4
Clumps / Freezer Burn	1000g	g/1000g	100

(*) 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:	Ruth Demuynck	
Function:	Product Specification	
Date:	22/03/2024	
Signature:		