

**PRODUCT SPECIFICATION**

number: 00720
 index: a
 initials: jd
 date: 7/08/2019

IQF LEAF SPINACH PORTIONS 50G**1. Description**

Product description IQF leaf spinach portions
 Process description The spinach is washed, cleaned, blanched, portioned and individually quick-frozen.
 Latin name *Spinacia oleracea*
 Composition

	<u>size</u>	<u>%</u>	<u>geographic origin</u>
leaf spinach portions	± 50 g	100%	Belgium, The Netherlands

Legal name Quick-frozen leaf spinach portions
 Vegetarian/vegan information The product is suitable for vegetarians and vegans.

2. Microbiological standards (cfu/g)

	<u>MAXIMUM</u>
Total aerobic mesophile plate count	1 500 000
Enterobacteriaceae	10 000
E. coli	100
Yeast and moulds	5 000
Listeria monocytogenes	100
Salmonella spp.	absent/25g

3. Chemical standards

Heat treatment	blanched
Dry matter	min. 6%
Nitrates	< 2000 mg/kg
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
Radiation	the product is not irradiated

4. Sensorial standards

Per 200 g (prepared)	
Colour	uniform bright, deep green, may contain a few pale pieces
Flavour/Odour	full, characteristic, no off flavours/odours
Texture	uniform, tender, free from fibre



PRODUCT SPECIFICATION

number: 00720
 index: a
 initials: jd
 date: 7/08/2019

IQF LEAF SPINACH PORTIONS 50G

5. Average nutritional values

	per 100 g	unit	% RI* per 100 g	RI*
Energy	102	kJ	1%	8400
Energy	25	kcal	1%	2000
Fat	0,2	g	< 1%	70
of which saturates	0,1	g	1%	20
Carbohydrate	0,6	g	< 1%	260
of which sugars	0,1	g	< 1%	90
Fibre	3,8	g	-	-
Protein	3,2	g	6%	50
Salt	0,11	g	2%	6

Source	Analysis on product as sold
--------	-----------------------------

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

6. Allergen information

Allergens according to the EU Regulation 1169/2011 and its modifications:	
	Product contains (+) or is free from (-) or cross contamination is possible (-*)
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	-



PRODUCT SPECIFICATION

number: 00720
index: a
initials: jd
date: 7/08/2019

IQF LEAF SPINACH PORTIONS 50G

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):	
Beef	-
Pork	-
Chicken	-
Corn/Maize	-
Cacao	-
Legumes/pulses	-
Glutamate (E 620 to E 626)	-
Coriander	-
Carrot	-

7. Definitions of defects

a) Foreign material

This includes any non-vegetable material like insects, wood, glass, stones, metal, snails, etc.; and toxic vegetable material.

b) Stalks

This includes loose stalks and the part of the attached stalk without leaf.

c) Foreign vegetable matter (FEVM)

This includes any vegetable matter, not derived from the spinach plant, such as weed, grass, leaves, etc.; except toxic vegetable material.

d) Vegetable matter (EVM)

This includes any vegetable material which is derived from the spinach plant, but foreign to the product; such as roots, flower heads, flower stalks; except stalks.

f) Discoloured leaves

This includes all discoloured leaves (yellow, brown, etc.) to the extent that the area affected is ≥ an equivalent circle of 10 mm in diameter either as a single blemish or an aggregate of blemishes.

**PRODUCT SPECIFICATION**

number: 00720
 index: a
 initials: jd
 date: 7/08/2019

IQF LEAF SPINACH PORTIONS 50G**8. Defects**

<u>DEFECTS</u>	<u>MAXIMUM</u>
Per 1000 g (fresh product)	
a) Foreign material (number)	0
b) Stalks (% by weight)	12%
Per 500 g (fresh product)	
c) FEVM (number)	0
d1) EVM - spinach flower heads and	0
d2) EVM - other, including roots	0
e) Stalks (% by weight)	12%
f) Discoloured leaves (number)	2
g) Sand	minimal traces

9. Packaging

Standard packaging options

<u>RETAIL PACKAGING</u>		
Net weight	50 g up to 2500 g	
Packaging	plastic bag / consumer carton box	
Pallet	euro / industry pallet	
<u>INDUSTRY PACKAGING</u>		
Net weight	3 kg up to 18 kg	carton + PE bag
	15 kg - 20 kg - 25 kg	PE bag
	octabins / ½ octabin	
Pallet	euro / industry pallet	

All packaging materials are Food Grade (according to current European legislation).
 The packaging and pallet layout should be agreed with the Ardo Sales Department.
 Alternative packaging options can be discussed.

Lot number	L. LLL BB YDDD; LLL = packing line, BB = batch, Y = year, DDD = day of the year of packing
Best Before	24 months from packing (max. 48 months from freezing)
Storage conditions	max. -18°C

10. Cooking instructions

Cook the required amount of frozen spinach with some tablespoons of water on a medium heat. Stir regularly. Add spices to your own taste.
 Do not refreeze after defrosting.

11. Picture

Yes, see below.



PRODUCT SPECIFICATION

number: 00720
index: a
initials: jd
date: 7/08/2019

IQF LEAF SPINACH PORTIONS 50G

12. Approval

	Approved on behalf of:	Approved on behalf of:
Company name:	Ardo Group	
Name:	Jonas DEMEDTS	
Function:	Data Management Team	
Date:	7/08/2019	
Signature + stamp:	<p>DUJARDIN FOODS N.V. Zwevezeelsestraat 142 B-8851 ARDOOIE-KOOLSKAMP Tel.: +32 51 610 610 BTW: BE 0414.091.812 www.dujardin-foods.com</p> 	
Remarks:		

