

# FROZEN STRAWBERRY

Specification code

FS/1/PB

Date 22/03/2023

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			Date 22/03/2023
General description			
Product name	Frozen strawberry		
Product definition		are the product prepared from irm texture conforming to the cl resca L.	
Process definition	Quick frozen strawberries are the product subjected to a freezing process in appropriate equipment and complying with the conditions laid down hereafter. This freezing operation shall be carried out in such a way that the range of temperature of maximum crystallization is passed quickly. The quick freezing process shall not be regarded as complete and untill the product temperature has reached -18°C (0°F) at the termal center after thermal stabilization. The recognized practice of repacking quick frozen products under controlled conditions is permitted.		
Ingredients	100% Strawberry		
Country of origin	Egypt		
Variety	Various (Festival, Fortuna,	Florida)	
Intended uses	All food applicatios such as	s: juices, slices, cubes	
Product composition	Product made of 100% natural fruits		
Physical properties  Test		Standard test rang	
Brix		5:11 (20°C)	<del></del>
Acidity	0,6-1,2% Citric acid (pH 8,1)		
pH	3,1-3,5 (20°C)		
Size	The difference between the larger diameter and smaller diameter is 10 ml		
Oxidative enzymes	Oxidized Pieces N/A		
Ash	Do not exceed 1,5% (dry weight)		
Organoleptic properties			
Appearance	Quick frozen strawberries	s shall be presented as whole,	halved, sliced or cut
Colour	Red, (good colour), typical from the variety		
Flavour, taste	Typical and fresh taste, for	ee from foreign flavour, no mo	ldy or off notes
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Chemical	properties

Pesticides residues	Conform to current EU MRL regulation
Heavy metal residues	In accordance with regulation EC 78/2005, 2006-1181,629/2008
Allergens	Allergen free in accordance with the requirements of 2003/89 CE of 20-11-2006 modified by the commission Directive 2006/142/CE of 22-12-2006

### Allergens

1.	Cereals containing gluten and products thereof (i.e. wheat, rye, barley, oats, spelt, kumat)	No
2.	Crustaceans and products thereof	No
3.	Eggs and products thereof	No
4.	Fish and products thereof	No
5.	Peanuts and products thereof	No
6.	Soybeans and products thereof	No
7.	Milk and products thereof (including lactose)	No
8.	Nuts and products thereof (almond, hazelnut, walnut, cashew, peanut, brazil nut, pistachio nut, queensland nut)	No
9.	Celery and products thereof	No
10.	Mustard and products thereof	No
11.	Sesame seeds and products thereof	No
12.	Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/l, expressed as SO <sub>2</sub>	No
13.	Lupin and products thereof	No
14.	Molluscs and products thereof	No

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Test	Upper limit value which cannot be exceeded	Reference
Total plate count	<100,000 c/gm	ISO: 4833/2013 part 2
Coliforms	<100 c/gm	ISO-CD-4832-2006
E. coli	Absent	ISO: 16649-2-2001 part 2
Yeasts and moulds	<50 c/gm	ISO: 21527-1-2008 part 1
Staphylococcus	Absent	ISO: 6888-1 part 1
Salmonella	Absent	ISO: 6579-2002

When tested by appropriate methods od sampling and examination, the product:

- · Shall be free from microorganisms in amounts which may represent a hazard to health
- Shall be free from parasites which may be represent the hazard to health
- Shall not contain any substance originating from microorganisms in amounts which may represent a hazard to health

#### Defects per 1 kg

Defects	Value
1- Completely uncoloured (75% or more of the other Surface area without the colour characteristic of the variety)	1 by number
2- Stalks or parts of stalks (if each greater than 3 mm in one)	3 by number
<b>3- Partially uncoloured</b> (25-75% of the outer surface area without the colour characteristic of the variety)	5% w/w
4- Disintegrated (broken, crushed or smashed)	5% w/w
5- Blemished (showing visible signs of pest attack or pathological or physical injury)	5% w/w
6- Misshapen (not normally developed and more in particular containing hard parts in the fruit flesh)	2% w/w
7- Dissimilar varieties	6% w/w
8- Form/size	The difference between the larger diameter and smaller diameter is 10ml. Tolerance 10% by weight Diameter of less than 15 mm: tolerance shall not exceed 5% by number
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Foreign material	(endogenous and exogenous)
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9- Twigs end exogenous vegetable foreign bodies (grass, flowers, seeds)		Not allowed
10- Critical harmful foreign bodies (glass, metal, mineral, Stones, hard plastic, wood pieces)		Not Allowed
11- Other endogenous vegetable bodies linked to the enviroment of the fruit (sand, soil, soft plastic, paper cardboard)		Not allowed
12- Calyx, leaves residues		Calyx 4 pieces <10 mm <sup>2</sup> Leaves 4 pieces <10 mm <sup>2</sup> No leaves >10 mm <sup>2</sup>
13- Insect injury, fun (insect not easily detect worms, Larva, insect eg	ed during sorting, insects living inside the fruit,	Not allowed
14- Under ripe, greet (more than ¼ of the surf ripened fruits)	n face different from the one characteristic of well	<2% w/w
15- Over ripe/mushy fruits (texture, firmness) Must be measured before frozen		<2% w/w
16- Clumps of more than pieces		<1%
- Total defects maxii	mum 5%	
Packing, storage cond	ditio and shelf life	
Packaging size	400 g, 10 kg	
Type of packaging Corrugated cartons with polyethylene liner		r

400 g, 10 kg
Corrugated cartons with polyethylene liner
-18°C
18 months (ES) – 24 months (EU)
Floor-loading or on the euro pallets, fumigated (corresponding label on the tray) All kinds of transport>transport should be clean, without foreign smells. Temperature not above -18°C. The transport not above -18°C. The transportation with non-foody products is not allowed.
Refreezing and defrosting is not allowed.
Product name, net weight, expiry date, units per case, production code, contact details.  Do not refreezing after defrosting.

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