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			Modified Date	01/07/2023
			Prepared by	Eng. Amr Talaat
			Spec. Number: PS.ST.14-02.05	

1-GENERAL DESCRIPTION

Product Definition	Quick frozen strawberries are the product prepared from fresh, clean, ripe and stemmed strawberries of firm texture conforming to the characteristics of <i>Fragaria grandiflora</i> L. or <i>Fragaria vesca</i> 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 unless and until the product temperature has reached -18°C (0°F) at the thermal center after thermal stabilization. The recognized practice of repacking quick-frozen products under controlled conditions is permitted.	
Ingredients	Product made of 100 % natural Fruits	
Country of Origin	EGYPT	
Variety	Various (Festival, Fortuna, Florida, sensation)	
Intended uses	All Food Applications	
Cooking instructions	• Leave it for 1-2 hours at room temperature • Now you have strawberry ready to use • Do not refreeze after defrost	
Metal Detection	Ferrous	2.5 mm
	Non-Ferrous	2.5 mm
	Stainless Steel	3.5 mm



2- PRODUCT CHARACTERISTICS

2-1 Organoleptic Properties

Parameter	Value
Appearance	IQF Dices Strawberry, Typical from the variety
Colour	Intensely red, homogeneous (no color changes), mid-berries white or pink (when cutting).
Flavour, Taste	Typical and Fresh Taste, Free from Foreign Flavour, No Mouldy or off notes

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2-2 Physicochemical Properties

Test	Standard Target Range
Brix	7.5± 2 (20 ° c)
Acidity	0.6 % - 1.2 % Citric Acid (PH 8.1)
pH	3.1 – 3.5 (20 ° c)
Size	Dice 10 x 10 mm
Mineral impurities	not more than 0.1% w/w Based on Total Weight
Ash	Don't Exceed 1.5 % (Dry Weight)
Pesticides Residues & Heavy metals	Applicable with US Pesticide: Specific tolerances are listed in 40 Code of Federal Regulations (CFR) Part 180 titled: "Tolerances and Exemptions for Pesticide Chemical Residues in Food https://www.ecfr.gov/current/title-40/part-180 Heavy Metals: CFR - Code of Federal Regulations Title 21 https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?fr=73.352
Allergens	Allergen free in Accordance with the requirements of FDA PUBLIC LAW 108–282—AUG. 2, 2004 https://www.fda.gov/media/77570/download

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3 – Microbiology Properties

Test	upper limit value which cannot be exceeded	Method in use
Total Plate Count	< 100,000 cfu/g	ISO: 4833/2013 Part 2
Coliforms	< 100 cfu/g	ISO-CD- 4832-2006
E-Coli	Absent /g	ISO: 16649-2-2001 Part 2
Yeast & Mould	< 50 cfu/g	ISO: 21527-1-2008 Part 1
Staphylococcus aureus	Absent /25 g	ISO 6888-1 Part 1
Salmonella	Absent /25 g	ISO 6579-2017
Listeria monocytogenes	Absent/ 25 g	ISO: 11290 – 1 /2017

- **GMO:** Free from GMO
- **The Product shall be free from:**
 - microorganisms in amounts which may represent a hazard to health
 - parasites which may represent a hazard to health
 - Shall not contain any substance originating from microorganisms in amounts which may represent a hazard to health.
- Free from Hepatitis A & Norovirus

4- Allergy and GMO information.

	Yes (in product)	No (not in product)	Comments
Cereals containing gluten and products thereof (i.e. wheat, rye, oat, barley, spelt, kamut)		No	
Crustaceans and products thereof		No	
Egg and products thereof		No	
Fish and products thereof		No	
Peanuts and products thereof		No	
Soybeans and products thereof		No	
Milk and products thereof (including lactose)		No	
Nuts and products thereof (almond, hazelnut, walnut, cashew, peanut, brazil nut, pistachio nut, Queensland nut)		No	
Celery and products thereof		No	
Mustard and products thereof		No	
Sesame seeds and products thereof		No	
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/liter expressed as SO2		No	
lupine and products thereof		No	
Mollusc and products thereof		No	
GMO information			
Is this product free of GMO	Yes		

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5 - Defects per 1 kg

Size (Sample 50 Dice)	Small Pieces: Smaller than half dice size: Maximum 5 % Large Pieces: Large than full dice size, smaller than 1.5 times the dice size : Maximum 5 % Extra Large Pieces: Large than 1.5 times the dice size: 0 %
Twigs and Exogenous vegetable foreign bodies: Grass, Flowers, Seeds...	Not Allowed
Critical Harmful foreign bodies: Glass, metal, Mineral, Stones, Hard Plastic, Wood Pieces	Not Allowed
Other endogenous vegetable bodies linked to the environment of the fruit: Sand, soil, soft plastic, paper cardboard, threads hair....	Not Allowed
Calyx, leaves residues	2 Pieces 10 kg
Insect Injury, Fungus Injury Insect not easily detected during sorting, insects living inside the fruit, worms, Larva, insect eggs...	Not Allowed
Under ripe, Green: More than ¼ of the surface different from the one characteristic of well ripened fruits	< 2 % w/w
Over ripe / Mushy fruits (Texture, Firmness) Must be measured before frozen	< 2 % w/w
Clumps of more than 3 pieces	< 1%

6 – Nutritional Values indication (100 g)

القيمة الغذائية (Strawberry) المجمدة			
Nutrition Facts			
Serving Size 100 g			
Amount Per Serving about 4 serving in bag الكمية لكل حصة حوالى 4 حصص في الكيس			
Calories 32		% Daily Values *	
الدهون الكلية	Fats	0.3 gm	0%
الدهون المشبعة	Saturated Fats	0.015 gm	0%
الدهون المتحولة	Trans Fat	0 gm	
كوليسترول	Cholesterol	0 gm	0%
صوديوم	Sodium	1 mg	0%
الكربوهيدرات الكلية	Total Carbohydrate	7.68 g	3%
الألياف الغذائية	Dietary Fiber	2 g	7%
السكريات	Sugars	4.66 gm	
بروتين	Protein	0.67 gm	
فيتامين أ	Vitamin A	1mg	0%
فيتامين ج	Vitamin C	58.8 mg	65%
كالسيوم	Calcium	16 mg	1%
حديد	Iron	0.42 mg	2%
بوتاسيوم	Potassium	153 mg	3%
Percent Daily Values are based on a 2000 Calories diet your daily values may be higher or lower depending on your Calorie needs			
تدل نسبة الاحتياج اليومي على المغذيات في الحصة الواحدة مبنية على نظام غذائي محتوي على 2000 سعرة حرارية إحتياجاتك اليومية قد تزداد أو تقل تبعاً لإحتياجاتك من السعرات			

Product Specifications

IQF Strawberry

Dice 10 x 10 mm

FDA Standard

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7 – Shelf life, Storage and Packaging Details

Packing, Storage condition and Shelf life	
Packaging Size	10 kg
Type of Packaging	Corrugated cartons with polyethylene liner
Storage temperature	-18 °C
Transportation Condition	Floor-Loading, or on the euro pallets, fumigated (Corresponding label on the tray), All kinds of transport: The Truck should be clean, without foreign smells. Temperature not above minus 18 c. the transportation with non-food products not allowed
Special Condition	Refreezing and defrosting are not allowed
Marking	Product name, net weight, expiry date, units per case, production code, Contact details. Do not refreeze after defrosting.

8- Approvals:

Position	Quality Manager	
Name	Eng. Amr Talaat	
Signature		
Date	01-07-2023	