



# UN RATIONS STANDARD

DATE: 31/08/2018

## VEGETABLE SPINACH FROZEN

ED No: 03

CODE: UNSTD-COM 4272

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### 1. PRODUCT NAME

VEGETABLE SPINACH FROZEN

#### PRODUCT RISK

LOW

MEDIUM

HIGH

### 2. DESCRIPTION



Spinach of the species *Spinacia oleracea* L. as defined below and offered for consumption. Leaf, cut leaf, or chopped

### 3. INGREDIENTS

#### 3.1. ESSENTIAL INGREDIENTS

Spinach

#### 3.2. OTHER PERMITTED INGREDIENTS

N/A

### 4. PROCESSING

#### Processing

- 4.1. CODEX "CAC/RCP 1-1969, Rev. 4-2003; Code of Practice- General Principles of Food Hygiene including annex on HACCP systems and guidelines for application of Global G.A.P.
- 4.2. CAC/RCP 8-1976 CODE OF PRACTICE FOR THE PROCESSING AND HANDLING OF QUICK FROZEN FOODS
- 4.3. CODEX STAN 77-1981 CODEX STANDARD FOR QUICK FROZEN SPINACH

### 5. MICROBIOLOGICAL CRITERIA

#### FOOD SAFETY PARAMETERS

- The product shall comply with any microbiological criteria established in accordance with Codex Guideline CAC/GL: 21-1997 "Principles for the Establishment and Application of microbiological criteria for food;
- The product shall be free from microorganisms in amounts which may represent a hazard to health and shall be free from any substance originating from microorganisms in amounts which may represent a hazard to health.

### 6. CHEMICAL CRITERIA

#### SAFETY PARAMETERS

Agrochemicals/Pesticides residues

CODEX MRL


#### QUALITY PARAMETERS

Individual quick frozen (IQF) spinach shall be clean; blanched; sound; well drained; free from foreign matter and foreign flavour or odour as well as fibrous material or sand, grit. Free from flower stems or buds, root material and extraneous vegetable material.

Leaf spinach: most of which are separated from the root crown.

Cut leaf spinach: parts of leaves above 15mm.

Chopped spinach: Pieces smaller above 3mm

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## 7. PHYSICAL CRITERIA

PARAMETER	
Appearance and colour	Appropriate to the product.
Odour or flavour	Free from rotting, foreign smell and/or taste, fungal damage or desiccation.
Texture	Appropriate to the product.
Foreign matter	Shall have no foreign matter.
Storage and Transportation	≤-18°C

## 8. CONTAMINANTS

- 8.1. The products covered by this Standard shall comply with the Maximum Levels for contaminants that are specified for the product in the General Standard for Contaminants and Toxins in Food and Feed (CODEX STAN 193-1995).

## 9. NUTRITIONAL FACTS (Approximate values per 100 g)

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	29 Kcal

## 10. PACKAGING

PARAMETER	LIMITS
Primary packaging	The product shall be wrapped and packaged, in a heat sealed food grade polythene bags or equivalent recyclable/biodegradable packaging material that maintains the product's organoleptic qualities and sanitary integrity. Must withstand the rigor of transport and handling.
Secondary packaging	Corrugated paper box or packing that protects the integrity of the primary packages, and withstands the rigor of transport and handling.
Primary packaging net weight	From 1 Kg to 2.5 Kg
Warranty at delivery location	4 Months

## 11. LABELLING

- 11.1. UNSTD-GEN-02 "UN Product Labelling"

## 12. OTHER REQUIREMENTS

- 12.1. UNSTD-GEN-03: "UN Inspection"  
12.2. UNSTD-GEN-04: "UN Certification"