	<b>UN RATIONS STANDARD</b>	DATE: 01/04/2024
	<b>BREAD ROLLS FROZEN</b>	ED No: 04
	<b>CODE: UNSTD-COM 2117</b>	Page 1 of 2

## 1. PRODUCT NAME

BREAD ROLLS FROZEN

## PRODUCT RISK

LOW

MEDIUM

HIGH

## 2. DESCRIPTION



Bread rolls are made of dough, made from wheat flour without other added flours, water, sugar, vegetable oil and salt, which has been fermented or leavened by baker's yeast *Saccharomyces cerevisiae* and moulded into a round shape before baking. Product must be frozen after production and maintained in frozen state.

## 3. INGREDIENTS

### 3.1. ESSENTIAL INGREDIENTS

Wheat flour, salt, sugar, vegetable oil and baker's yeast.

Optional: emulsifiers, stabilizers, mould inhibitors, milk or milk products, wheat gluten, malt, edible starches

Palm Oil is not permitted.

### 3.2. OTHER PERMITTED INGREDIENTS

Food Additives: See Codex General Standard for Food Additives (GSFA) Database and where permitted, only those individual additive(s) indicated for the product shall apply and only within the limits specified.

## 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.
- 4.2. CAC/RCP 8-1976 CODE OF PRACTICE FOR THE PROCESSING AND HANDLING OF QUICK FROZEN FOODS

## 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	MAXIMUM LIMITS
Moisture	≤ 38 %
Total Aflatoxin; Aflatoxin B1	≤ 4 µg/kg; ≤2 µg/kg
Ochratoxin A	≤ 3 µg/kg
Deoxynivalenol (DON)	≤ 500 µg/kg
Zearalenone	≤ 50 µg/kg
Acrylamide	≤ 50 µg/kg
QUALITY PARAMETERS	LIMITS
Protein	≥ 8.0 %
Acid insoluble ash (dry basis)	≤ 0.2 % (on dry basis)
Crude fibre (on dry basis)	≤ 0.3 % (on dry basis)
Ash content	≤ 0.6 % (on dry basis)
Salt content	≤ 1.4 %

## 7. PHYSICAL CRITERIA

PARAMETER	LIMITS
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Appearance and colour	Rolls shall have a uniform, brown crust, evenly baked, without evidence of burning and scorching; shall have a characteristic grain, no foreign colour; and shall not be damaged or crushed
Odour or flavour	The product shall have a characteristic bread aroma and odour; with no stale, scorched, rancid or “rope” or “mouldy” odour.
Texture	The product shall be tender with a uniform brown crust. The crumb shall be springy.
Foreign matter	Free of any foreign matter
Storage and Transportation Temperature	-18°C to -25°C

## 8. CONTAMINANTS

- 8.1. The Product shall comply with maximum residue limits established by Codex Alimentarius (See: CAC / MRL: 2009 Maximum residue Limits (MRLs) for pesticides).
- 8.2. The product shall comply with the Maximum Levels of the Codex General Standard for Contaminants and Toxins in Foods (Codex Stan: 193-1995).

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

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	279 kcal
Carbohydrates	51.0 g
Protein	8.9 g
Fat	4.3 g

## 10. PACKAGING

PARAMETER	LIMITS
Primary packaging	Food grade biodegradable plastic or equivalent packaging material that maintains the product's organoleptic qualities and sanitary integrity. Able to withstand the rigors of transport and handling.
Secondary packaging	Corrugated paper box or packing that protects integrity of the primary packages, and withstands the rigors of transport and handling.
Primary packaging net weight	1 Kg (15-18 units/Pack)
Warranty at delivery location	Minimum 1 Month

## 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”