	UN RATIONS STANDARD		DATE: 01/04/2024
	BREAD BROWN SLICED FRESH		ED No: 05
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1. PRODUCT NAME

BREAD, BROWN FRESH SLICED

PRODUCT RISK		
LOW	MEDIUM	HIGH

2. DESCRIPTION



Consists of dough, made from whole wheat flour, water, fat, sugar and salt which has been fermented or leavened by baker's yeast *saccharomyces cerevisiae*. Inactive dried yeast shall be in an amount not greater than two parts by weight for each 100 parts. Minimum of 80 % of wheat flour must be from whole wheat flour.

3. INGREDIENTS

3.1. ESSENTIAL INGREDIENTS

Whole wheat flour, salt, vegetable oil and baker's yeast.

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

Palm Oil is not permitted.

3.2. OTHER PERMITTED INGREDIENTS

Food Additives: 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.

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 content	≤ 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
Salt	≤ 1.4 g
Protein (min)	≥ 10.0 %
Acid insoluble ash (on dry basis)	≤ 0.2% w/w
Crude fibre (min)	≥ 0.6 % (on dry basis)

7. PHYSICAL CRITERIA

PARAMETERS	LIMITS
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PARAMETER	LIMITS
Appearance and colour	Fresh brown (whole wheat) bread shall have a uniform, brown crust, evenly baked, without evidence of burning and scorching ;The product shall have a characteristic grain, no foreign colour; and shall not be damaged or crushed.
Odour or flavour	Shall have a characteristic bread aroma and odour; with no stale, scorched, rancid or “rope” or “mouldy” odour.
Texture	The product shall be firm, tender with a uniform brown crust. The crumb shall be springy with pores evenly distributed within the thin walls. The grain texture shall be uniform.
Foreign matter	Free of any foreign matter
Storage and Transportation Temperature	15°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	251.5 Kcal
Carbohydrates	43 g
Protein	11 g
Fat	3.5 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 equivalent packaging that protects the integrity of the primary package, and withstands the rigors of transport and handling.
Primary packaging net weight	From 500 g (9-12 slices) to 1 Kg (18-24 slices)
Warranty at delivery location	Daily production

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”