



# UN RATIONS STANDARD

DATE: 31/08/2018

## FLOUR WHOLE WHEAT

ED No: 03

CODE: UNSTD-COM 2149

Page: 1 of 3

### 1. PRODUCT NAME

FLOUR WHOLE WHEAT

#### PRODUCT RISK

LOW

MEDIUM

HIGH

### 2. DESCRIPTION



Whole wheat flour is prepared from common wheat of the species *Triticum aestivum* L. or club wheat; *Triticum compactum* Host., or a mixtures thereof by grinding and milling process with 100% extraction rate, the germ and bran are not removed and the product is reduced to a suitable degree of fineness.

### 3. INGREDIENTS

#### 3.1. ESSENTIAL INGREDIENTS

Whole wheat flour shall be prepared from clean sound wheat grains.

#### 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.

### 5. MICROBIOLOGICAL CRITERIA

#### FOOD SAFETY PARAMETERS

#### MAXIMUM LIMITS

- 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

#### PARAMETERS

#### MAXIMUM LIMITS

Moisture Content (Max)	12% ( w/w on dry basis)
Total Ash content (Max)	2.5 % (w/w on dry basis)
Acid insoluble ash (Max)	0.10 % (w/w on dry basis)
Fat acidity (mg KOH per 100g flour; Max)	50 (w/w on dry basis)
Protein content (N x 5.7) (Min)	14% (w/w on dry basis)
Crude fibre content (Max)	10.8% (w/w on dry basis)

#### QUALITY PARAMETERS

#### MAXIMUM LIMITS

N/A



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CODE: UNSTD-COM 2149

Page: 1 of 3

## 7. PHYSICAL CRITERIA

### PARAMETER

Appearance and colour	The flour shall have a brownish colour characteristic of whole wheat flour.
Odour	The product shall possess a natural wheat flour odour and shall be free from abnormal odours. Shall have no stale, rancid or "rope" or "mouldy" odour.
Foreign matter	Free from foreign matter including any filth and live or dead insects.
Granularity	99.5% shall pass through a 200µm sieve.
Storage and Transportation	Ambient

## 8. CONTAMINANTS

8.1. The product 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)

8.2. The product covered by this Standard shall comply with maximum residue limits established by Codex Alimentarius (See: CAC / MRL: 2009 Maximum residue Limits (MRLS) for pesticides).

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

### NUTRIENTS

### AMOUNT PER 100 g OF PRODUCT

Energy	339 Kcal
Protein	13.2g
Fat	2.5g
Carbohydrates	71.9

## 10. PACKAGING

### PARAMETER

### LIMITS

Primary packaging	Food grade biodegradable plastic sealed or equivalent packing that maintains the integrity and organoleptic qualities of the product and withstands 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	From 1Kg to 10 Kg
Warranty at delivery location	2 Months

## 11. LABELLING

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

## 12. OTHER REQUIREMENTS

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ED No: 03

CODE: UNSTD-COM 2149

Page: 1 of 3

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