

Wholegrain
Ragi Millet Flakes

NATURAL • NUTRITIOUS • GLUTEN FREE • ANCIENT GRAIN

Wholegrain Ragi Millet Flakes are naturally nutritious, lightly roasted flakes made from premium ragi (finger millet) grains. The grains are dehulled, cleaned, steam cooked, rolled into flakes and finally roasted to deliver a naturally crunchy texture with a characteristic toasted flavour and aroma. Free from added colour and flavouring agents.



100%
Ragi Grain



Source
of Fibre



Plant
Protein



Naturally
Gluten Free



No Added
Colours or Flavours

PRODUCT INFORMATION

Product Name	Wholegrain Ragi Millet Flakes
Ingredients	Ragi Grain, Antioxidant (Rosemary Extract)
Description	The Ragi millet flakes are irregularly round, slightly textured to required size and is derived from Ragi grain (Finger millet grain). The clean whole Ragi grain is subjected to dehulling, cleaning and steam cooking, prior to passing through large steel rolls to form a clean flake or rolled product with final roasting. It shall have a characteristic flavour & aroma of toasted Ragi, free from any objectionable flavours and odors. It shall be in the form of flakes having a blackish to dark brown colour. It should not undergo any chemical / enzymatic treatment and shall be free from extraneous matter, other foreign matter and free from insect, mold infestation.
FSSAI Category	Proprietary Food (6.3 Breakfast Cereal)
Scientific Name	Finger millet
Country of Origin	INDIA
Sourced	INDIA
Conventional/Organic	Conventional (non-organic)

PRODUCT VISUALS



APPLICATIONS



PRODUCTION PROCESS (SOP)



PACKAGING & STORAGE



Primary Packing

20 Kg Polywoven bags, machine stitched with food grade HDPE/LDPE poly-liner bags.



Storage Condition

Store in a cool, dry and clean place, at an ambient temperature away from direct sunlight.



Shelf Life

4 months from the date of packaging.

SENSORIAL PARAMETERS

Parameters	Specification	Test Method
Color	Light Brown – Dark Brown	Visual Inspection
Odor	Characteristic Roasted Ragi aroma and free from off-flavors and odors.	Sensorial
Taste	Characteristic Roasted Ragi taste free from rancid or off taste.	Sensorial
Shape	Flat and irregularly round	Visual Inspection
Texture	Crunchy	Sensorial

PHYSICAL PARAMETERS

Parameters	Specification (Max Allowable Limit)	Test Method
Particle Size Distribution (Pass through 0.5 mm sieve)	NMT 5%	Sieving Method
Bulk Density (g/l) (Tapped - 10 times)	200 – 400	Volumetric Method
Thickness (mm) (Average of 30 flakes)	0.3 – 0.9	Micrometer
Discolored Flakes (% by mass)	NMT 0.5	Visual Inspection
Other Edible Flakes (% by mass)	NMT 0.5	Visual Inspection
Bran Particles (number/100g)	MAX 3	Visual Inspection
Charred Flakes (number/100g)	MAX 3	Visual Inspection
Unflattened Flakes (number/100g)	MAX 3	Visual Inspection
Total Groats, Foreign Seeds (number/100g)	NIL	Visual Inspection
Physical & Biological Contaminants (Visible insect, infestation)	NIL	Visual Inspection

CHEMICAL PARAMETERS

Parameters	Specification	Test Method
Moisture %	NMT 9	FSSAI Manual for Analysis of Cereal and Cereal Products - 2016
Acid Insoluble Ash (% by mass on dry basis)	NMT 0.1	
Total Ash Content (% by mass on dry basis)	NMT 5	

MICROBIAL PARAMETERS

Parameters	Specification (Max Allowable Limit)	Test Method
Total Viable Count (CFU/g)	10,000	FSSAI Manual on Method of Microbiological Testing - 2016
Yeast & Mold (CFU/g)	300	
Coliforms (CFU/g)	100	
E. coli (in CFU/g)	ABSENT	
Salmonella (in 25 g)	ABSENT	

FSSAI REQUIREMENTS

Food Additives	FREE
Heavy Metals	Shall comply with maximum limits as per FSSAI guidelines. (Lead 2.5 ppm, Arsenic 1.1 ppm, Copper 30 ppm, Tin 250 ppm, Cadmium 1.5 ppm, Mercury 1.0 ppm, Methyl Mercury 0.25 ppm)
Pesticides Residues	Shall comply with maximum limits as per FSSAI guidelines. (As per list in specification)
Aflatoxins	Total Aflatoxins – 15 µg/kg; Aflatoxin B1 – 10 µg/kg Shall comply with FSSAI guidelines.

ALLERGEN & DIETARY STATEMENT

Allergen Statement	Does not contain gluten and does not contain gluten allergens. May contain traces of milk, egg, crustaceans, tree nuts (e.g. almonds, walnuts & pecans) due to shared facility.
Gluten Free Statement	Naturally Gluten Free, however processed in a facility that also processes wheat & barley flakes.
Non-GMO Statement	Produced using traditional breeding methods. No GMOs or transgenic breeding methods are used.



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FOOD INGREDIENTS PVT LTD

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