



UN RATIONS STANDARD

DATE: 30/10/2011

SPICE CLOVES WHOLE

ED No: 01

CODE: UNSTD-COM 4174

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1. PRODUCT NAME

SPICE CLOVES WHOLE

PRODUCT RISK

LOW

MEDIUM

HIGH

2. DESCRIPTION

Whole cloves [*Syzygium aromaticum* (L.) Merr. et L.M. Perry], floral bud, harvested before blooming, and dried.



3. INGREDIENTS

3.1. ESSENTIAL INGREDIENTS

Whole cloves

3.2. OTHER PERMITTED INGREDIENTS

None Permitted

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. ISO 2254:2004
- 4.3. CAC/RCP 42 - 1995 Code of Hygienic Practice for Spices and Dried Aromatic Plants

5. MICROBIOLOGICAL CRITERIA

FOOD SAFETY PARAMETERS

MAXIMUM LIMITS

Bacillus cereus n=5, c=1, m=10³ cfu/g, M=10⁴ cfu/g

Clostridium perfringens n=5, c=1, m=10² cfu/g, M=10³ cfu/g

Salmonella spp. n=5, c=0, Absent in 25 g

Escherichia coli n=5, n=1, m=10 cfu/g, M=10² cfu/g

- 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

Agrochemicals/Pesticides residues CODEX MRLs

QUALITY PARAMETERS

MAXIMUM LIMITS

Moisture content 10 % (mass fraction) max.

Volatile oils 15-17 % (mass fraction) on dry basis, min.

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7. PHYSICAL CRITERIA

PARAMETER	LIMITS
Odour or flavour	Strong aromatic, spicy odour, characteristic flavour
Colour	Reddish-brown to blackish-brown
Foreign matter	Free from musty odour, living insects, moulds, dead insects, insect fragments, rodent, all materials other than Coriander seeds and all other matter of animal, vegetable or mineral origin, and any contamination.

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	323 Kcal

10. PACKAGING

PARAMETER	LIMITS
Primary packaging	Food grade polyethylene or equivalent packing material that maintains product's both 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	Up to 250 gr
Warranty at delivery location	4 Months

11. LABELLING

- UNSTD-GEN-02 "UN Product Labelling"

12. OTHER REQUIREMENTS

- UNSTD-GEN-03: "UN Inspection"
- UNSTD-GEN-04: "UN Certification"