	UN RATIONS STANDARD	DATE: 30/10/2011
	SAUCE TOMATO KETCHUP	ED No: 01
	CODE: UNSTD-COM 3149	Page: 1 of 2

1. PRODUCT NAME

SAUCE TOMATO KETCHUP

PRODUCT RISK

LOW	MEDIUM	HIGH
-----	--------	------

2. DESCRIPTION



Sauce Tomato Ketchup is a sweet and sour condiment typically made from matured tomatoes of red or reddish varieties excluding skins and other coarse substances.

3. INGREDIENTS

3.1. ESSENTIAL INGREDIENTS

Red or reddish varieties of tomatoes, vinegar, salt

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

QUALITY PARAMETERS		MAXIMUM LIMITS
pH		3.89 – 3.92

QUALITY PARAMETERS		MAXIMUM LIMITS
Total Solids (Min-Max)		25-40% (w/w)
Tomato Solids (Min-Max)		8.5-17% (w/w)
Ash (Max)		4.0 (w/w)
Edible Salt		2.7-3.2%
Total Sugars (Max)		25.0%
Total acidity (As acetic acid)		1.2-2.0%

7. PHYSICAL CRITERIA

	UN RATIONS STANDARD	DATE: 30/10/2011
	SAUCE TOMATO KETCHUP	ED No: 01
	CODE: UNSTD-COM 3149	Page: 1 of 2

PARAMETER

Appearance and colour	Medium to deep reddish colour.
Odour or flavour	The product shall have a spicy, sweet, slightly tangy, cooked tomato flavour and odour. The product shall have no foreign flavours and odours.
Texture	Glossy and moderately thick.
Foreign matter	The product shall be free from foreign or extraneous matter.
Storage	Dry and cool

8. CONTAMINANTS

The products 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).

9. NUTRITIONAL FACTS (Approximate values per 100 g)

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	100 Kcal
Carbohydrates	25 g
Protein	2 g

10. PACKAGING

PARAMETER

Primary packaging	Glass 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 500 g
Warranty at delivery location	4 months

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"