	UN RATIONS STANDARD	DATE: 30/10/2011
	FISH MACKEREL CAN IN OIL	ED Nº: 01
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1. PRODUCT NAME

Canned mackerel in vegetable oil

2. DESCRIPTION



Eviscerated *Scomberscombrus* and *Scomberjaponicus*, scales, head and tail removed, with vegetable oil as liquid packing medium, hermetically sealed in a can. Product must meet criteria for commercial sterility.

PRODUCT RISK

LOW	MEDIUM	HIGH
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3. INGREDIENTS

3.1. ESSENTIAL INGREDIENTS

INGREDIENT	PERCENTAGE
Mackerel (<i>Scomberscombrus</i> and <i>Scomberjaponicus</i>).	≥ 70%
Vegetable Oil	≤ 30%
Salt	

3.2. OTHER PERMITTED INGREDIENTS

ADDITIVES


For permitted additives: See Codex General Standard for Food Additives Database.

4. MICROBIOLOGICAL CRITERIA

Food Safety Parameters	MAXIMUM LIMITS
<i>Salmonella/Shigella</i>	Absent in 25 g.
Pathogenic <i>Escherichia coli</i>	Absent in 25 g.
<i>Vibrio cholerae</i>	Absent in 25 g.
<i>Vibrio parahaemolyticus</i>	Absent in 25 g.
<i>Listeria monocytogenes</i>	Absent in 25 g.
Sulphite reducing <i>Clostridia</i>	Absent in 25 g.
Hygiene Parameters	MAXIMUM LIMITS
Total plate count (after a 14 days preincubation at 30°C)	n=5, c=2, m= 0cfu/g, M=10cfu/g

5. CHEMICAL CRITERIA

SAFETY PARAMETER	LIMITS
Histamine	< 10 mg/kg
Total volatile basic nitrogen	< 300 mg/kg

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6. PHYSICAL CRITERIA

PARAMETER	LIMITS
Texture	The flesh must not show breakdown or pasty texture, indicative of decomposition or parasitic infestation.
Odour or flavour	Free of foreign odours indicative of decomposition, rancidity or feed.
Colour	Bright typical of specie.
Foreign matter	Absence of any matter not derived from the fish.

7. NUTRITION FACTS (Approximate values per 100 grams)

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	223.8 Kcal
Proteins	22.2 g
Carbohydrates	0 g
Fats	15 g

8. PACKAGING

PARAMETER	LIMITS
Primary packaging	Can (food grade).
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 500gr
Drained weight	> 70% of product's net weight
Warranty at delivery location	4 months

9. LABELLING

- UNSTD- GEN-02 "UN Product labeling"

10. REFERENCES

- CODEX CAC/RCP 52-2003 (Rev. 4): "Code of Practice for Fish and Fishery Products"
- CODEX CAC/RCP 23-1993 (Rev. 2): "Recommended International Code of Hygienic Practice for Low-Acid and Acidified Low-Acid Canned Foods"
- UNSTD-GEN-01: "Contaminant levels"
- UNSTD-GEN-03: "UN Inspection"
- UNSTD-GEN-04: "UN Certification"