



UN RATIONS STANDARD

DATE: 31/08/2018

FISH KING MACKEREL WHOLE FROZEN

ED Nº: 02

CODE: UNSTD-COM 1173

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PRODUCT RISK

LOW

MEDIUM

HIGH

1. PRODUCT NAME

FISH KING MACKEREL WHOLE FROZEN

2. DESCRIPTION



Whole king mackerel, eviscerated with head on, of the family *Scomberomorus cavalla* with a weight range of 1.0 Kg to 1.6 Kg each. that has been deep frozen to an internal temperature of -18°C or below and should be maintained at all times after freezing.

3. INGREDIENTS

3.1. ESSENTIAL INGREDIENTS

INGREDIENT

Whole King mackerel

3.2. OTHER PERMITTED INGREDIENTS

ADDITIVES

MAXIMUM LIMITS

Antioxidants:

GMP

E-301 and E-303

4. MICROBIOLOGICAL CRITERIA

Food Safety Parameters

MAXIMUM LIMITS

Salmonella/Shigella

Absent in 25 g.

Pathogenic *Escherichia coli*

Absent in 25 g

Vibrio cholerae

Absent in 25 g

Vibrio parahaemolyticus

Absent in 25 g

Listeria monocytogenes

Absent in 25 g.

Hygiene Parameters

MAXIMUM LIMITS

Staphylococcus aureus

n=5, c=2, m=5x10² cfu/g, M= 10³ cfu/g

Total coliforms

n=5, c=3, m= 10 cfu/g, M=10² cfu/g

5. CHEMICAL CRITERIA

SAFETY PARAMETER

LIMITS

Histamine

< 10 mg/kg

Total volatile basic nitrogen

<300 mg/kg

6. PHYSICAL CRITERIA

PARAMETER

LIMITS



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PARAMETER	LIMITS
Texture	The flesh must not show breakdown or pasty texture, indicative of decomposition or parasitic infestation.
Odour or flavour	Flesh must not be separated from the bones Free of foreign odours indicative of decomposition, rancidity or feed
Colour	Less than 10% of white or yellow areas indicative of dehydration.
Foreign matter	Absence of any matter not derived from the fish.
Other physical criteria	Free from signs of thawing and refreezing.
Net contents (Glazed product)	If product is glazed, net contents declared shall exclude the glaze.
Storage and Transportation	≤-18°C

7. NUTRITION FACTS (Approximate values per 100 grams)

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	105 Kcal
Proteins	20 g
Fats	2 g

8. PACKAGING

PARAMETER	LIMITS
Primary packaging	Layer packaged food grade polyethylene heat sealed recyclable/biodegradable 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 rigor of transport and handling.
Primary packaging Net weight	From 2.5 Kg to 5 Kg.
Warranty at delivery location	4 months.

9. LABELLING

- UNSTD-GEN-02 "UN Product labelling"

10. REFERENCES

- CODEX CAC/RCP 8 – 2008 (Rev. 3) : "Recommended International Code of Practice for the Processing and Handling of Quick Frozen Foods"
- CODEX CAC/RCP 52-2003 (Rev. 4): "Code of Practice for Fish and Fishery Products"
- CAC/GL 48-2004: Model certificate for fish and fishery products.
- UNSTD-GEN-01: "Contaminant levels"
- UNSTD-GEN-03: "UN Inspection"
- UNSTD-GEN-04: "UN Certification"