



# UN RATIONS STANDARD

DATE: 31/08/2018

## FISH FINGERS FROZEN

ED Nº: 03

CODE: UNSTD-COM 1169

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### PRODUCT RISK

LOW MEDIUM HIGH

#### 1. PRODUCT NAME

FISH FINGERS FROZEN

#### 2. DESCRIPTION



Fish Fingers is quick frozen breaded or battered fish stick breaded or battered fish portions, prepared from fish fillets or minced fish flesh or mixtures thereof (cod, haddock, hake, Pollock, tilapia) of edible species. Deep frozen (internal product temperature maintained at -18°C or below at all time after freezing) Minimum unit weight: 20 g to 50g.

#### 3. INGREDIENTS

##### 3.1. ESSENTIAL INGREDIENTS

###### INGREDIENT

Fish fillets, breadcrumb, egg, water, vegetable oil, salt, wheat flour, starch, spices.

Fish Content	>60%
Coating (breadcrumbs)	<35%
Spices	<5%

##### 3.2. OTHER PERMITTED INGREDIENTS

###### ADDITIVES

For permitted additives: See Codex General Standard for Food Additives (GSFA) 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 parahaemolyticus</i>	Absent in 25 g
<i>Listeria monocytogenes</i>	Absent in 25 g.

###### Hygiene Parameters

###### MAXIMUM LIMITS

<i>Staphylococcus aureus</i>	n=5, c=2, m=5x10 <sup>2</sup> cfu/g, M= 10 <sup>3</sup> cfu/g
Total coliforms	n=5, c=3, m= 10 cfu/g, M=10 <sup>2</sup> cfu/g

#### 5. CHEMICAL CRITERIA

Histamine	< 20 mg/100g
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#### 6. PHYSICAL CRITERIA

###### PARAMETER

###### LIMITS

Texture	The flesh inside the product must not show breakdown or pasty texture, indicative of decomposition or parasitic infestation.
Size	Thickness: more than 10 mm. Length more than three times the greatest width.
Odour or flavour	Free of foreign odours indicative of decomposition, rancidity or feed



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Colour	Light Yellow to Golden (coating) and white (inside).
Foreign matter	Absence of any matter not derived from the fish. Permitted one bone per kg less or equal to 5mm in length and 2 mm in diameter.
Parasites	Less than 2 parasites per kg Encapsulated: Capsular diameter <3mm Not encapsulated: parasite length <10 mm.
Other physical criteria	Free from signs of thawing and refreezing.
Storage and Transportation	≤ -18°C

### 7. NUTRITION FACTS (Approximate values per 100 grams)

NUTRIENTS	AMOUNT PER 100 g OF PRODUCT
Energy	232 Kcal
Proteins	10.1 g
Carbohydrates	16.9 g
Fats	13.1 g

### 8. PACKAGING

PARAMETER	LIMITS
Primary packaging	Food grade polyethylene heat sealed or equivalent recycled/biodegradable packing material that maintains product's organoleptic qualities and sanitary integrity. Able to withstand the rigor 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	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 STAN 166-1989 - Standard for Quick Frozen Sticks (Fish Fingers), Fish Portions and Fish Fillets – Breaded or in Batter
- 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"