



## ABC Fruits, Bargur, Krishnagiri, Tamil Nadu – India Specifications for Frozen Plant (Edition:01)

### Product Specification for Alphonso Mango Chunks (20x25mm)

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#### Product Name: Individually Quick-Frozen Alphonso Mango Chunks (20x25mm)

#### 1. Description about the process:

Chunks of Alphonso Mango is made from sound mature & selected semi ripened Alphonso Mango fruits. The process involves selection of semi ripened Alphonso Mango, washing with disinfectant, peeling, de-seeding, Inspection and hand cut chunks and frozen in IQF Freezer at -30 to -40 Deg C., final inspection, packing in food grade blue polyliner in carton box & passing through metal detector before stored at -18 Deg C. The product is manufactured under stringent hygiene conditions throughout the process line and continuous monitoring by QA to comply with Quality and Food safety standards.

#### 2. Product Characteristics

2.1 General Characteristics	
Category	Fruits
Botanical Name	<i>Mangifera indica</i>
Variety	Alphonso
Country of Origin	India
2.2 Physical Characteristics	
Product Size:	Free Flowing chunks of Sizes 20x25mm. The chunks are made from fresh/frozen slices of semi ripe fruit vertically cut. Since the slices are oblong in nature and not all chunks will be completely uniform in shape/size due to the geometry of the Fruit.
Consistency	Solid
Raw Fruits	Less than 5 %
2.3 Organoleptic Characteristics	
Appearance	Fresh Mature Mango, Firm before thawing and soft after thawing
Colour	Light to Bright Yellow to Orange
Flavor /Odour	Characteristic of semi ripened Alphonso Mango fruit
Taste	Characteristic of semi ripened Alphonso Mango fruit
2.4 Extraneous Matters	
Skin/ Seed Fragments	Max 2 pieces /kg (Target – Nil)
Pit fractures	Max 2 Pieces /Kg
Rotten/ Mouldy Fruit	Nil
Other Foreign Bodies	Nil

Prepared by:

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2.5 Chemical Characteristics	Target	Minimum	Maximum
Brix at 20 Deg C	16 ° to 18 °	15 °	20 °
Acidity as Citric Acid Anhydrous	0.8 to 1.3 %	0.6%	1.4%
pH	3.3 to 3.6	2.5	3.8
2.6 Microbial Characteristics			
Aerobic Plate Count	<25,000 (CFU/g)	-	50,000(CFU/g)
Yeast & Mould (CFU/g)	<100(CFU/g)	-	1000(CFU/g)
Coliforms	<10(CFU/g)	-	100(CFU/g)
<i>Staphylococcus aureus</i>	<10(CFU/g)	-	100(CFU/g)
<i>E. coli</i>	Absent /25g	-	Absent /25g
Salmonella	Absent /25g	-	Absent /25g
<i>Listeria monocytogenes</i>	Absent /25g	-	Absent /25g
<i>Vibrio cholerae</i>	Absent /25g	-	Absent /25g

### 3.0 Packing

Packing Description	Product packed in blue color food grade PE bags & packed in 5ply corrugated box.
Net weight /Box	10 kg
Loadability	Up to 2300 cartons / 23 MT Net weight can be loaded per 40" FCL.

### 4.0 Storage, Handling & Labelling Instruction

Storage Condition	Storage at below -18°C in Cold room. After Storing at -18°C for more than 3 weeks, Chunks may assume a shape of a block, which can be loosened by Shaking / banging the cartons gently, twice or thrice. Once opened, the remaining material should be returned to cold room as early as possible in order to retain product quality
Handling Instruction	Handle the cartons box in horizontal Position only. Handle diligently to avoid Product damage.
Shelf Life	24 Months from date of manufacturing if stored at -18 <sup>0</sup> C.
Method of distribution & Delivery	Refrigerated container must be used for transit and must be maintained at -18°C or lower. Delivery of the product as per customer requirement or agreed between the parties.

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5.0 Declaration	
GMO	Product is free from GMO
Dietary	Product is suitable for all Vegans & Vegetarians
Legal/ Safety Declaration:	Produced under strict conditions of GMP & Food Safety complying with FSSAI, EU standards. Product is also fully compliant of AIJN code of practice & also meeting the requirements of FSSAI and destination country requirements.
Allergen Information	Product is free from below top listed allergens. 1. Cereals containing gluten, namely: wheat, rye, barley, oats, spelt, kamut or their hybridised strains, and products thereof; 2. Crustaceans and products thereof; 3. Eggs and products thereof; 4. Fish and products thereof; 5. Peanuts and products thereof; 6. Soybeans and products thereof; 7. Milk and products thereof (including lactose); 8.Nuts, namely: almonds ( <i>Amygdalus communis</i> L.), hazelnuts ( <i>Corylus avellana</i> ), walnuts ( <i>Juglans regia</i> ), cashews ( <i>Anacardium occidentale</i> ), pecan nuts ( <i>Carya illinoensis</i> (Wangenh.) K. Koch), Brazil nuts ( <i>Bertholletia excelsa</i> ), pistachio nuts ( <i>Pistacia vera</i> ), macadamia or Queensland nuts ( <i>Macadamia ternifolia</i> ), and products thereof, 9.Celery and products thereof; 10. Mustard and products thereof; 11.Sesame seeds and products thereof; 12.Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre in terms of the total SO <sub>2</sub> which are to be calculated for products as proposed ready for consumption or as reconstituted according to the instructions of the manufacturers; 13.Lupin and products thereof; 14.Molluscs and products thereof.

### 6. Product Photographs (20x25mm)



Prepared by:

Approved by: