

## Technical Specification Data Sheet



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Product Name:	<b>IQF Mango Bits and Pieces</b>	Size	Weight
Taxonomic Name:	<i>Mangifera indica L.</i>	N/A	10kg
Country of Origin:	Guatemala		

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### Product Description:

An IQF preparation of MANGO with all of the organoleptic attributes associated with fresh MANGO. Packed to minimum weight. Declaration: Mango 100%.

This is a semi-finished, bulk, frozen product for use in the food & drink industry. It is NOT intended for direct retail nor is it intended for immediate consumption.



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Characteristic	Specification
Flavour and Aroma	Characteristic of fresh product with No off-flavour and/or off odours.
Colour	Reasonably uniform yellow colour to orange yellow, typical of Mango with no more than 5% by weight with a slight ting of green.
Appearance	QF Mango chunks must be typical of well ripened product, tender, not excessively mushy or tough. There shall be no fibrous units. Clumping/mushy units not to exceed 10% by weight.
Size/Cut	The mango Chunks 20 X 20 mm will be uniform cut. The tolerances will be 5% over 25 mm and 10% under 20 mm.
Brix	>14° Brix or higher.
Sample Size	Based on 16 ounces (454 grams)

#### Defect Tolerance:

IQF mango chunks shall be free from pathological injury, insects or insect injury, discoloured units, loose or attached peel, seeds or any objectionable defective units that affect the appearance and/or eating quality.

Severe blemish	0
Major blemish	2 %
Minor Blemish	5 %
Total blemish	6 %
Discoloured	0
EVM/FM	NONE
Edible fibre	1 unit Maximum
Inedible fibre	NONE
Rest of seeds	2 unit/454 g
Stem material	2 unit/454 g

#### Packaging:

##### Inner:

Blue tint food grade bag, sealed

##### Outer:

Brown food grade box, printed with supplier information. Self adhesive blue tape closure.

#### Product Coding & Labelling:

The product is coded in the following format:

product name  
net weight  
best before date  
storage t° -18°C  
batch code (lotnr.)  
Produced in

#### Storage & Shelf life:

Store at -18°C. or below, ideal storage should be at -20°C. Avoid storage with strongly flavoured materials. Shelf Life at these temperatures is 24 months. Minimum 6 months on delivery. Once opened, the remaining material should be returned to cold storage of -18°C (or below) as soon as possible in order to retain product quality.

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### Microbiological Standards

<u>Parameter</u>	<u>Target</u>
TVC	<1x10 <sup>5</sup>
Total Coliforms	<10 <sup>2</sup>
E. coli	Absent
Listeria spp.	Absent in 25g
Salmonella	Absent in 25g
Mould and Yeast	<5x10 <sup>3</sup>

### Dietary Information

	per/100g
Energy (kJ)	245
Energy (kcal)	57
Protein	0.7
Carbohydrates	14.1
of which Sugars	13.8
Starch	0.3
Fat	0.2
Dietary fibre	2.6
Moisture	82.4
Sodium	2mg
Acid insoluble ash	No data

All nutritional data is taken from “Composition of Foods” (IV<sup>th</sup> Edition), or “Vegetables, Herbs and Spices” (V<sup>th</sup> Supplement), by Mc Cance & Widdowson.

### Free From

	<b>Free From:</b>		<b>Free From:</b>
Meat/Meat derivatives	<b>Yes</b>	HVP/TVP	<b>Yes</b>
Fish/Fish derivatives	<b>Yes</b>	Monosodium glutamate	<b>Yes</b>
Milk/Dairy products	<b>Yes</b>	Added sugars	<b>Yes</b>
Crustaceans	<b>Yes</b>	Celery	<b>Yes</b>
Mustard	<b>Yes</b>	Sulphur dioxide	<b>Yes</b>
Lactose	<b>Yes</b>	Added salt	<b>Yes</b>
Soya	<b>Yes</b>	Artificial sweeteners	<b>Yes</b>
Soya derivatives	<b>Yes</b>	Starch/modified starch	<b>Yes</b>
Maize	<b>Yes</b>	Cold Pressed oils	<b>Yes</b>
Maize derivatives	<b>Yes</b>	Nuts	<b>Yes</b>
Wheat	<b>Yes</b>	Nut oils/derivatives	<b>Yes</b>
Wheat derivatives	<b>Yes</b>	Sesame seeds	<b>Yes</b>
Rye	<b>Yes</b>	Sesame seed oils/ derivatives	<b>Yes</b>
Rye derivatives	<b>Yes</b>	Seeds	<b>Yes</b>
Gluten	<b>Yes</b>	GM materials	<b>Yes</b>
Oats/oat derivatives	<b>Yes</b>	Egg/egg derivatives	<b>Yes</b>
Barley derivatives	<b>Yes</b>	Colours (natural)	<b>Yes</b>
Malt/malt products	<b>Yes</b>	Colours (artificial)	<b>Yes</b>
Preservatives	<b>Yes</b>	Flavours (any)	<b>Yes</b>
BHA/BHT	<b>Yes</b>	IRRADIATION	<b>Yes</b>

### Suitable For

<b>Coeliacs</b>	Yes	Kosher	No
Lactose intolerant	Yes	Halal	No
Vegetarian (Ovo-Lacto)	Yes	Vegan	Yes

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## **Frucom Limited Genetically Modified Foods Policy**

Frucom Limited does not process any herbs that have been genetically modified. The company does not take part in trials of modified plant matter and aims not to manufacture mixed products where ingredients or components have been produced by means of genetic modification.

In this instance genetic modification covers not only plant matter that has been significantly altered by genetic manipulation to give a product different from the naturally occurring material, but also finished produce that has been manipulated and in the course of its manufacture no longer contains genetically modified material. Materials that have been produced from genetically modified micro-organisms or plants which may or may not contain genetically modified materials will not be handled by Frucom Limited

The company position regarding the genetic modification of foods will remain as stated. Until such time that sufficient scientific evidence exists to demonstrate the absolute safety of all genetic modification, or until such a point where our customers are willing to accept genetically modified produce on the basis of safety as stated above.

## **Frucom Limited Nut Handling Policy**

Frucom Limited does not handle nuts, nut by-products or nut derivatives. This includes no nut products in the canteen vending machine.

As a consequence of not processing nut products the company does not have an internal nut segregation policy of production lines, equipment, or personnel.

Suppliers are audited by means of a self-assessment questionnaire, the response to which will demand either no, limited, or further investigation.

Suppliers to Frucom Limited which handle nut or nut products will be audited, to assure us and our customers that there is no possibility for the contamination of produce with nut or nut derivatives.

The following list outlines those species covered by this policy:

Almonds	Acorns	Almondettes (Buchania seeds)	Betel nuts
Brazil nuts	Bread nut/Bread fruit	Beech nut	Butter nut
Cashew nuts	Chestnut	Cob nut	Chinquapins
Chilean wild nuts	Cola nuts	(Bushy chestnut)	Filberts
Ground nuts/Peanuts	Ginko nuts	Heart nuts	Hazel nut
Hickory nut	Jjoba nut	Jack nut	Lichi nut
Monkey nut	Macadamia	Oyster nut	Pecan nut
Pili nut	Paradise nut	Pine nut	Pistachio
Quadong nut	Shea nut	Squari nut	Sesame seeds
Tallow nut	Tropical almond	Tahiti chestnut	Tiger nut
Walnut			

The above list may alter as other nuts are found to be allergenic and further legislation occurs. Where there is any doubt from the supplier as to whether their produce contains any of the above listed produce, it shall be considered that such nuts are present and that they may present a risk to the final consumer.

## **Product Quality Parameter**

These are fresh products and, therefore, by their very nature may vary as a result of seasonal influences, such as the time of harvest, the prevailing and historic weather conditions. However, such factors have no reflection on the overall performance of the product. Crops may be treated with pesticides to control insects, and other materials to control yeasts and moulds, with the aim of achieving their total absence from the finished product. All products are tested on an annual basis to ensure that chemical residues do not exceed current legislative MRL guidelines. We ensure that MRL's are not exceeded by only applying chemical treatments on an absolute necessity basis, and always observe legal and manufacturer's instructions in full.

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The products supplied by Frucom Limited shall conform to all current EC/UK legislation.

All product is metal detected in accordance with the standards in our HACCP plan. Ref HLL

All details of this specification will remain confidential to Frucom Limited. No other party is empowered to disclose any details to a third party. Any changes to the product will be made with prior notification to the customer as appropriate.

Signed...*K. Wanis*.....  
On behalf of Frucom Ltd.

Position: Technical Manager  
Date: 03/03/2023

Signed .....  
On behalf of Customer

Position.....  
Date.....

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