

# Technical Sheet



## Passionfruit

or Maracuyá

(*Passiflora edulis Sims - Var.: Flavicarpa*)

Passion fruit is a vigorous rambling plant originally coming from South America. The trunk and branches can reach up to 30 or 40 meters.

A year after being planted, you can obtain its round or oblong fruit whose diameter is 4 to 8 centimetres approximately. The fruit contains many black seeds.

The flesh and the juice is light orange with a characteristic and nice scent. Its flavour is sour - sweet. One of the varieties called Flavicarpa has yellow skin and it is mostly grown for industrial purposes.

This plant produces abundantly from 2 to 3 consecutive years.

Passion fruit is considered to have the highest content of Vitamin A (betacaroten) amongst the edible fruits.

Either the juice or the flesh is consumed diluted in nectars or maybe used for blending with other juices, producing alcoholic or non-alcoholic beverages, ice creams, pastry sweets and/or soft drinks.

**Best harvest and processing time: All the year, depending of the area of production.**

| Technical Information     | Passion Fruit Pulp<br>Nutricional Composition | Amount<br>per 100 g | Unit |
|---------------------------|---|---------------------|------|
|                           | Calories                                      | Aprox. 85           | g    |
|                           | Water   | 53                  |      |
|                           | Proteins                                      | 0.67                | g    |
|                           | Fat   | 0.05                | g    |
|                           | Carbohydrates                                 | 13.7                | g    |
|                           | Fiber   | 0.17                | g    |
|                           | Ashes   | 0.49                | g    |
|                           | Calcium                                       | 3.8                 | mg   |
|                           | Phosphorus                                    | 24.6                | mg   |
|                           | Iron  | 0.36                | mg   |
|                           | Vitamin A                                     | 2.6                 | mg   |
|                           | Niacine (Vitamin B5)                          | 2.24                | mg   |
| Ascorbic Acid (Vitamin C) | 25  | mg                  |      |

# Specifications

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### PASSION FRUIT JUICE AND CONCENTRATE SPECIFICATIONS

#### DESCRIPTION

Our product is 100% pure and natural, resulting only from fresh, ripe and selected fruits of *Passiflora edulis*, by a mechanic process of extraction, refined and flash pasteurized, eventually concentrated, cooled and frozen, or aseptic filled.

No artificial colors, flavors or chemical preservatives have been added.

#### PHYSICAL / CHEMICAL CHARACTERISTICS

|                             | BRIX Frozen Pulp | Frozen Concentrate |
|-----------------------------|------------------|--------------------|
|                             | 12° - 15°        | 50 +/- 1°          |
| ACIDITY (% W/W citric acid) | 4.2 +/- 0.6%     | 14.00 +/- 0.2%     |
| pH                          | 2.9 +/- 0.3      | 3 +/- 1°           |

#### MICROBIOLOGIC CHARACTERISTICS

|               |              |              |
|---------------|--------------|--------------|
| TOTAL GERMS   | < 1000 ufc/g | < 1000 ufc/g |
| MOULDS        | < 50 ufc/g   | < 50 ufc/g   |
| YEAST         | < 100 ufc/g  | < 100 ufc/g  |
| COLIFORMS     | Negative     | Negative     |
| LACTOBACILLUS | < 10 ufc/g   | < 10 ufc/g   |

#### ORGANOLEPTIC CHARACTERISTICS

|        |  |  |
|--------|--|--|
| COLOR  | Yellow-orange, characteristic to the variety | Yellow-orange, characteristic to the variety |
| FLAVOR | Good, aromatic characteristic to the variety | Good, aromatic characteristic to the variety |
| ODOR   | Good, citric characteristic to the variety   | Good, citric characteristic to the variety   |

#### PACKAGING CHARACTERISTICS

|  |  |  |
|--|--|--|
|  | Steel drums with 200 net Kg, inside double polyliners<br>Plastic pails with 20 net Kg, inside polyliners | Steel drums with 250 net Kg, inside double polyliners<br>Plastic pails with 25 net Kg, inside polyliners |
|--|--|--|

#### STORAGE AND SHELF LIFE CHARACTERISTICS

|  |                      |                      |
|--|----------------------|----------------------|
|  | - 18° C<br>18 months | - 18° C<br>18 months |
|--|----------------------|----------------------|