



## Citrus Processing India (P) Ltd.

<b>Frozen Concentrated Mosambi Juice Specification</b>	Doc. No.: CPIL/01/QA/FG/02	Date of Release: 01/07/2015
	Version. No.: 00	Date of Rev: NA
	Issue No.: 01	Page 1 of 4

### 1. Description with Physical Form:

The material under description is Mosambi juice concentrate prepared from many fold concentrations which is of characteristic Mosambi taste, acidic, yellow color and viscous homogeneous liquid.

S · N O ·	PARAMETER	UOM	SPECIFICATION			FREQUEN CY	COA	TESTING	
			MIN	TARGET	MAX			IN- HOUSE	EXTER NAL
<b>2. Sensory</b>									
A	Appearance	NA	Bright yellow color viscous liquid			Every Lot	Yes	Yes	No
B	Taste	NA	Acidic and characteristic			Every Lot	Yes	Yes	No
C	Odor	NA	Typical to Mosambi			Every Lot	Yes	Yes	No
<b>3. Physico Chemical Parameters:</b>									
A	Soluble solids refract (20°C) Brix	-	64	65	66	Every lot	Yes	Yes	No
B	% Acidity exp. as citric acid (anhydr.) (pH 8.3)	-	2.5	3.5	4.5	Every lot	Yes	Yes	No
C	pH	-	3.2	3.6	4.2	Every lot	Yes	Yes	No
D	Oil content	(%v/v)	0.004	0.007	0.01	Every lot	Yes	Yes	No
E	Pulp Assay	(%)	4	7	10	Every lot	Yes	Yes	No
F	Limonin	ppm	-	-	5.0	Every lot	Yes	Yes	No
<b>4. Microbiological Parameters:</b>									
A	Standard Plate Count	cfu/gm	-	-	<5000 cfu/g	Every lot	Yes	Yes	No
B	Yeast and Mould	cfu/gm	-	-	Positive in Not more than 100 count/gm	Every lot	Yes	Yes	No
C	Total Coliform	-	-	-	Absent in 100 ml	Every lot	Yes	Yes	No



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D	E. Coli	-	-	-	Absent in 100 ml	Once in 6 months	No	No	Yes
E	Salmonella	-	-	-	Absent in 25g/ml	Once in 6 months	No	No	Yes
F	Flat Sour Organisms	-	-	-	<5000 cfu/g	Once in 6 months	No	No	Yes
G	Staphylococcus Aureus	-	-	-	Absent in 25 g/ml	Once in 6 months	No	No	Yes
H	Shigella	-	-	-	Absent in 25 g/ml	Once in 6 months	No	No	Yes
I	Clostridium Botulinum	-	-	-	Absent in 25 g/ml	Once in 6 months	No	No	Yes
J	Vibrio Cholera	-	-	-	Absent in 25 g/ml	Once in 6 months	No	No	Yes

### 6. Food Safety Parameters: (As per FSSAI Norms) heavy Metals

	Parameter	UOM	Tolerance Limit (Max.)	Frequency	COA	Testing	
						In-House	External
A	Arsenic	ppm	0.1	Once in 6 months	No	No	Yes
B	Cadmium	ppm	0.05	Once in 6 months	No	No	Yes
C	Copper	ppm	5.0	Once in 6 months	No	No	Yes
D	Lead	ppm	0.05	Once in 6 months	No	No	Yes
E	Mercury	ppm	0.01	Once in 6 months	No	No	Yes
F	Methyl Mercury	ppm	0.25	Once in 6 months	No	No	Yes
G	Tin	ppm	1.0	Once in 6 months	No	No	Yes
H	Zinc	ppm	5.0	Once in 6 months	No	No	Yes
I	Iron	ppm	5.0	Once in 6 months	No	No	Yes
J	(Crop Contaminants Aflatoxins)	ppb	30	Once in 6 months	No	No	Yes
Naturally occurring toxic substances							
K	Agaric Acid	ppm	100	Once in 6 months	No	No	Yes
L	Hydrocyanic Acid	ppm	5	Once in 6 months	No	No	Yes



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M	Hypericine	ppm	1	Once in 6 months	No	No	Yes
N	Saffrole	ppm	10	Once in 6 months	No	No	Yes

The material complies with the Food Safety and Standards Act of India 2006 and Food Safety and Standards Rules requirements for the agricultural residues listed in them.

### 7. Allergen Details:

Allergen	Component	Intentional/Unintentional	Concentration of Allergen (Protein) or Sensitizer (ppm) or Not Managed	Source	Remarks
Nil	NA	NA	NA	NA	NA

### 8. Regulatory Status:

Kosher Suitability	Halal Suitability	GMO Suitability	Claims related place of Provenance
Not applicable for India	Yes	Yes (GMO free)	NA

### 9. Storage Conditions:

Temperature (°C) at Storage	Relative Humidity at Storage	Additional Storage Requirement's	Remarks
≤ -18°C Frozen condition.	NA	Store at -18°C frozen condition, away from sunlight, protected from insects & rodents. Thawing conditions for 1day at 4°C .Due to the fact that the juice will be frozen; the material must be defrosted in order to use the material. Material must be kept on pallets and away from wall.	NA

### 10. Shipping Instructions:

Temperature (°C) for Shipping	Relative Humidity for Shipping	Additional Shipping Requirements.	Shipping Modes	Remarks
≤ -18°C Frozen condition.	NA	The ingredient shall be shipped in containers that are clean, free from rodent, insect, or other contaminants, and which do not impart off-odors or flavors to the ingredients.	Truck/Train/Air lift	Not to be stored with non-food ingredients during transit



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### 11. Packaging Details:

Packaging Type	Packaging Size	Packaging Material	Tempering Instructions
MS drums	250 kg	Wide Mouthed MS drum lined with 2 LDPE food grade bags and tied with cable tie. Each drum is secured with a tamper proof seal.	Thawing conditions for 1day at 4°C. Due to the fact that the juice will be frozen; the material must be defrosted in order to use the material.

### 12. Shelf Life Details:

18 months from the date of packing when stored at -18°C.

### 12. Revision History

Revision Details	Done by	Date	Reason for Change