



AL SHAMS AGRO GROUP

Issue number:

V.1

Issue
dated

1-1-2014

Ref code:

(FCOJ) Frozen Concentrated Orange Juice 65% Specifications

Description:

Concentrated orange juice is the unfermented product which is capable of fermentation after reconstitution, preserved exclusively by physical methods but not radiation and Obtained by a mechanical process and strained or otherwise prepared to exclude skins, seeds and other hard substance in the finished product:

SENSORIC EXAMINATION

ITEM	DESCRIPTION
Appearance	Intensively orange yellow free from any browning or discoloration
Flavor	Very good
Odor	Good characteristic of natural Orange juice free from any off flavor.
Taste	Fresh orange taste free from any cocked or off taste .
Texture	have a homogeneous , evenly divided texture indicative of good manufacturing practices (GMP).
Defects	Practically free
Coagulation	None

CHEMICAL AND ANALYSIS

ITEM	Al Shams Value	Standard Value	METHOD OF MEASUREMENT
Brix %	65 ± 1%	65.0 %	as sucrose measured with B ⁺ S Refract meter @ 20° C
COLOR	36-40	38 and above	Measured by color flex EZ with OJ4 Standard
pH VALUE	3.40 – 3.70	3.5 – 3.8	at 20 ° C measured by Hanna pH meter in concentrate
ACIDITY	4.1-6.5 %	3.55-4.5 %	as anhydrous citric acid
BRIX\ACID RATIO	11.6 -16.5	14.2 – 18.6	As a calculation method
PULP CONTENT	4-8 %	4-12%	By weight the separated pulp from diluted concentrate at 11.0 with centrifuge at 1600 RPM / 10 min
OIL CONTENT	0.01-0.03%	0.006-0.2%	With Scott test

FINISHING SCREEN SIZE: 0.4 – 0.6 mm and free from any seeds & peels Etc

MICROBIOLOGY TEST

T.P.C \gm	(≤ 100 cell \ g)
Yeast \gm	(≤ 10 cell \ g)
Mould \gm	(≤ 30 cell \ g)
Pathogenic \gm	(NIL)

GENETICALLY MODIFIED MATERIALS: Non-genetically modified product

ALLERGEN MATTERS: Free from any allergen matters

PESTICIDE RESIDUE: The maximum pesticide limits according to CODEX and ES

PRESERVATIVES: Free from any preservatives.



AL SHAMS AGRO GROUP

Issue number:

V.1

Issue
dated

1-1-2014

Ref code:

(FCOJ) Frozen Concentrated Orange Juice 65% Specifications

PACKAGING:

1- Aseptic

In aluminum pre-sterilized aseptic bag inside a Conical Steel drums clean with total Absence of metal bond and free from corrosion, rusting and flaking Paint, and there is a protective P.E liner between drum and aseptic bag, steel cover is securely sealed on the drums.

2- Frozen

In polyethylene bags or aluminum pre-sterilized aseptic bag inside a Conical Steel drums clean with total Absence of metal bond and free from corrosion, rusting and flaking Paint and there is a protective double P.E liner between drum and aseptic bag, steel cover is securely sealed on the drums.

WEIGHT:

- Net Weight is 250 ± 2 kg per Drum

LABELLING :

Each drum is to be clearly marked in Arabic, English in non-erasable ink with the following :

- Manufacturer Name and Address
- Drum Progressive Number
- Date of Filling
- Expiration Date
- Net Weight
- Pulp Concentration
- Product Type
- Filling Head Number
- Patch number

STORAGE / SHELF LIFE:

24 months starting from the production date, Drums shall be stored in covered, cool and dry environment, protected from sand, dust and direct sunshine .

Storage temperature should be the ambient temperature (not more than $+ 25^{\circ}$) for Aseptic Packaging, **for Frozen Packaging Drums must be stored in at least -18° C**

PRODUCTION MANAGEMENT UNDER :

