



**Texas Citrus Exchange
Quality Assurance Department
Product Specification Sheet**

Product Name: Early-Mid Orange Juice Concentrate for Manufacturing

Product Number: TC04300

Quality Parameters:

- I. Aroma Good, typical of early-mid varieties of orange juice. No fermented or caramelized odors.
- II. Color Good. (35-40 points) Typical of early-mid orange varieties. CN values of 32.5+
- III. Defects Practically Free (18-20 points)
- IV. Flavor Good. (34-40 points) Typical of sound, mature early-mid oranges with no off notes or caramelized flavors.

Analytical Parameters:

- I. Brix (corrected for acidity) 62.0 +/- 2.0
- II. Brix/Acid Ratio
 - Minimum 25
 - Currently 30.0-35.0
 - Maximum 40
- III. pH Value ≤ 4.0
- IV. Free and Suspended Pulp $\leq 12\%$
- V. Recoverable Oil $\leq 0.020\%$

Microbiological Parameters:

- I. Howard Mold $\leq 10\%$
- II. Standard Plate Count (SPC or TPC) ≤ 5000 cfu / gram
- III. Yeast and Molds ≤ 500 cfu / gram
- IV. Thermophilic Acidophilus Bacteria (TAB) Negative
- V. Coliforms Negative
- VII. Heat Resistant Molds (HRM) Negative

Packaging:

- I. 55 gallon, 52 gallon net fill, open head steel drums with two polyethylene liners. Approximate net weight of 565 lbs. (256 kgs)
- II. Bulk tankers.

Storage and Shelf-life

Drummed product should be kept in the original packaging and stored at <32°F or <0°C. Product kept in these recommended conditions will have a shelf-life of 36 months.

Country of Origin:

The United States of America - Texas

Ingredient Statement:

This product is 100% Texas Orange Juice. (*Citrus sinensis*)

FDA Compliance:

The concentrated orange juice for manufacturing does not meet the standards as defined in the "Standards of Identity for Orange Juice" issued under the Federal Food, Drug and Cosmetic Act #146.135 due to the naturally low citric acid content in the fruit. This causes the ratio to be higher than the standards allow.

This product is manufactured using Current Good Manufacturing Practices outlined by the United States FDA.

TCX maintains a HACCP system for all juice products. This HACCP system is reviewed periodically by FDA for accuracy and execution.

AIJN / Codex Alimentarius Compliance:

The concentrated orange juice for manufacturing does not meet Codex Standard 45-1981 and AIJN standard 6.1 due to naturally occurring low citric acid levels.

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