



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

Product Name: Early-Mid Orange Pulp Cells

Product Number: TC04320

Quality Parameters:

- I. Aroma Good, typical of early-mid varieties of orange pulp. No fermented or caramelized odors.
- II. Color Good. Typical of early-mid orange varieties.
- III. Defects
 - ≤ 5 embryonic seeds or seed fragments in 50g of pulp
 - ≤ 2 black specks in 50g of pulp
 - ≤ 5 peel particles in 50g of pulp
 - ≤ 5 red pulp cells in 50g of pulp
- IV. Flavor Good. Typical of sound, mature early-mid oranges with no off notes or caramelized flavors.

Analytical Parameters:

- I. Brix (corrected for acidity) > 8.0
- II. Brix/Acid Ratio
 - Minimum 25
 - Currently 30.0-35.0
 - Maximum 40
- III. pH Value ≤ 4.0
- IV. Recoverable Oil ≤ 0.036%

Microbiological Parameters:

- I. Standard Plate Count (SPC or TPC) ≤ 3000 cfu / gram
- II. Yeast and Molds ≤ 500 cfu / gram
- III. Thermophilic Acidophilus Bacteria (TAB) Negative
- IV. Coliforms Negative
- VI. 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. 5.5 gallon, 5 gallon net fill, plastic pails with two polyethylene liners. Approximate net weight of 40 lbs. (18 kgs)

Storage and Shelf-life

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.

Thawing and Handling Recommendations:

Product should be thawed at ambient temperature for 24 to 48 hours prior to use. This will partially thaw the product and allow it to be dumped into another container or blend.

Product should not be subjected to excessive thawing and freezing cycles as this may cause undesirable results.

Country of Origin:

The United States of America - Texas

Ingredient Statement:

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

FDA Compliance:

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 orange pulp cells do not currently have standards set forth by AIJN or Codex .

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