



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

Product Name: Grapefruit Essence Oil

Product Number: BP04100

Quality Parameters:

- I. Aroma Good, typical of fresh grapefruit.
- II. Color Good. Clear to slightly pink liquid.
- III. Flavor Conforms to an approved standard when tasted at 0.01% in tasting syrup.

Analytical Parameters:

- I. Refractive Index (25°C)
 - minimum 1.4720
 - maximum 1.4780
- II. Specific Gravity (20°C)
 - minimum 0.840
 - maximum 0.855
- III. Optical Rotation (25°C)
 - minimum +87.5°
 - maximum +92.5°
- IV. Total Aldehydes
 - minimum 0.9
 - maximum 2.5
- V. GC Analysis Conforms to an approved standard
- VI. % Nootkatone Varied depending on season and time of season

Packaging:

55 gallon, 52 gallon net fill, epoxy phenolic lined 1A1 steel drums. Approximate net weight of 386 lbs. (175 kgs)

Storage and Shelf-life

When unrefrigerated, >41°F (5°C) and <80°F (26°C), in the original unopened container, shelf-life is 12 months.

When refrigerated, <40°F (4°C), in the original unopened container, shelf-life is 24 months.

Country of Origin:

The United States of America - Texas

Ingredient Statement:

This product is derived from 100% Texas Red Grapefruit. (*Citrus paradisi*) Essence oil is a by-product of the concentration/evaporation of grapefruit juice.

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:

This product does not currently have a standard from AIJN or Codex.

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Revised January 3, 2008



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