

Certification of analysis

1. PRODUCT IDENTIFICATION AND COMPOSITION

1.1 Product Name: Grapefruit White

1.2 Botanical Name: Citrus paradise

TEST SPECIFICATION RESULT

2. PHYSICAL AND CHEMICAL PROPERTIES

2.1 Appearance: Clear, mobile liquid Conforms

2.2 Odour: Characteristic citrus Conforms

2.3 Specific Gravity: 0.839 to 0.8640 @ 20° C Conforms

2.4 Refractive Index: 1.4650 to 1.4800 @ 20° C Conforms

CONSTITUENT SPECIFICATION RESULT

3. GAS CHROMATOGRAPH ANALYSIS

Sample: Citrus paradise

Result(%)

b-Myrcene Trace to 2.5 1.97

d-Limonene 92-98 94.30

Nootkatone Trace to 0.4 0.18

Alpha-Pinene Trace to 0.7 0.65

Sabinene Trace to 1 0.88

Beta-Pinene Trace to 0.5 0.4

Myrcene Trace to 3 2.10

Octanal Trace to 0.3 0.30

Linalool Trace to 0.2 0.18

Decanal Trace to 0.2 0.12

Beta-Caryophyllene Trace to 0.3 0.25

Note(1) Analytical conditions: GC Columns: Rxi-5SI 1 MS, Length: 30.0m, Inside Diameter: 0.25mm,

Thickness: 0.25

Mass Spectrometer: Detector Type: Quadropole Ms, Ion Source: EI, Ion Source Temp: 200.0C
Oven Temp Program: Rate: 5.0 Temperature (Degree): 50.0-270.0

Yen Le

Quality Assurance Department