

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

PRODUCT NAME: White Grapefruit
 BOTANICAL NAME: Citrus paradisi
 SYNONYM(S):

INCI NAME: Citrus paradisi (grapefruit) peel oil
 CAS TSCA: 8016-20-4 HS CODE: 3301.29
 CAS EINECS: 90045-43-5 EINECS: 289-904-6
 FEMA: 2530 COE: 140n
 COUNTRY OF ORIGIN: United States FDA CODE: 182.2
 PRODUCTION TYPE: Certified Organic
 PRODUCTION METHOD: Expression à froid
 PART DISTILLED: Zest
 LOT NUMBER: EAB248726US74718E
 PRODUCTION DATE: April 2018
 EXPIRATION DATE: April 2020

COMPANY IDENTIFICATION

COMPANY: ZAYAT AROMA INC.
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Certified organic by Ecocert Canada



| PROPERTIES | SPECIFICATIONS | RESULTS |
|-------------------|---|-----------------|
| APPEARANCE | <i>Reddish orange liquid</i> | <i>Complies</i> |
| ODOR | <i>Characteristic odor</i> | <i>Complies</i> |
| SOLUBILITY | <i>Soluble in alcohol and oils. Insoluble in water.</i> | <i>Complies</i> |
| SPECIFIC GRAVITY: | <i>0.840 - 0.858 @ 20°C</i> | <i>0.840</i> |
| OPTICAL ROTATION: | <i>+90.0 - +105.0 @ 20°C</i> | <i>100.45</i> |
| REFRACTIVE INDEX: | <i>1.455 - 1.495 @ 20-C</i> | <i>1.472</i> |
| PEROXYDE VALUE: | <i><= 15 mEq O2/KG</i> | <i>Complies</i> |

DISCLAIMER

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White Grapefruit
Citrus paradisi

LOT: US74718E

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| COMPONENTS | % TOTAL: 99.1 |
|---------------------------|---------------|
| <i>Alpha pinène</i> | 0.53 |
| <i>Beta Pinène</i> | 0.21 |
| <i>Sabinène</i> | 0.37 |
| <i>Myrcène</i> | 1.87 |
| <i>Limonène*</i> | 95.49 |
| <i>Octanal</i> | 0.09 |
| <i>Nonanal</i> | 0.02 |
| <i>Furfural</i> | Nd |
| <i>Citronellal</i> | 0.02 |
| <i>Décanal</i> | 0.12 |
| <i>Linalol *</i> | 0.29 |
| <i>Beta Caryophyllène</i> | 0.04 |
| <i>Methyl chavicol</i> | Nd |
| <i>Neral</i> | 0.02 |
| <i>Geranial</i> | 0.03 |
| <i>Safrole</i> | Nd |
| <i>Méthyl eugénol</i> | Nd |
| <i>Nootkatone</i> | Nd |

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