

## CERTIFICATE OF ANALYSIS

### PRODUCT IDENTIFICATION

**PRODUCT NAME:** Petitgrain  
**BOTANICAL NAME:** Citrus aurantium ssp. aurantium  
**SYNONYM(S):**  
  
**INCI NAME:** Citrus aurantium amara (orange) leaf oil  
**CAS TSCA:** 8016-44-2      **HS CODE:** 3301.29  
**CAS EINECS:** 72968-50-4      **EINECS:**  
**FEMA:** 2855      **COE:** 136n  
**COUNTRY OF ORIGIN:** Paraguay      **FDA CODE:** 182.2  
**PRODUCTION TYPE:** Certified Organic  
**PRODUCTION METHOD:** Steam distilled  
**PART DISTILLED:** Leaves  
**LOT NUMBER:** EAB248283PY74717A  
**PRODUCTION DATE:** January 2017  
**EXPIRATION DATE:** January 2019

### COMPANY IDENTIFICATION

**COMPANY:** ZAYAT AROMA INC.  
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Certified organic by Ecocert Canada



PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Pale yellow to ambered-yellow liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic pleasant, fresh-floral, sweet odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.885 - 0.898 @ 15°C</i>	<i>0.887</i>
OPTICAL ROTATION:	<i>-6.0° - +2.0° @ 20°C</i>	<i>-4.7Å°</i>
REFRACTIVE INDEX:	<i>1.455 - 1.472 @ 20°C</i>	<i>1.4593</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

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