



## CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Petitgrain	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Citrus aurantium ssp. aurantium	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):		TELEPHONE:	1.855.534.1671
		FAX:	1.855.553.6010
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
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	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled	 	
PART DISTILLED:	Leaves		
LOT NUMBER:	EAB248283PY30721A		
PRODUCTION DATE:	03/2021		
EXPIRATION DATE:	03/2023		

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>0.886</i>
OPTICAL ROTATION:	<i>-6.0° - +2.0° @ 20°C</i>	<i>-4.75</i>
REFRACTIVE INDEX:	<i>1.455 - 1.472 @ 20°C</i>	<i>1.459</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>Complies</i>

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Petitgrain  
Citrus aurantium ssp. aurantium

LOT: PY30721A

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% TOTAL: 98.13	COMPONENTS
0.12	<i>Alpha-pinene</i>
0.92	<i>Beta-pinene</i>
0.24	<i>Sabinene</i>
2.19	<i>Myrcene</i>
0.99	<i>Limonene</i>
0.81	<i>(Z) Beta-ocimene</i>
2.54	<i>(E) Beta-ocimene</i>
0.50	<i>Terpinolene</i>
27.69	<i>Linalool</i>
46.20	<i>Linalyl acetate</i>
0.89	<i>Beta-caryophyllene</i>
5.26	<i>Alpha-terpineol</i>
2.06	<i>Neryl acetate</i>
3.75	<i>Geranyl acetate</i>
1.17	<i>Nerol</i>
2.80	<i>Geraniol</i>

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