

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Ravintsara	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Cinnamomum camphora cineoliferum	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:	Cinnamomum camphora leaf oil		
CAS TSCA:	470-82-6	HS CODE:	3301.29
CAS EINECS:	92201-50-8	EINECS:	N/A
FEMA:	N/A	COE:	130n
COUNTRY OF ORIGIN:	Madagascar	FDA CODE:	N/A
PRODUCTION TYPE:	Organic		
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Leaves		
LOT NUMBER:	EAB246230MG30821A		
PRODUCTION DATE:	2019/02		
EXPIRATION DATE:	2024/02		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Colorless to pale yellow clear liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic strong, penetrating, fragrant odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.870 – 0.910 @ 20°C</i>	<i>0.903</i>
OPTICAL ROTATION:	<i>+10.0 – +35.0 @ 20°C</i>	<i>+10.0</i>
REFRACTIVE INDEX:	<i>1.441 – 1.489 @ 25°C</i>	<i>1.4652</i>
PEROXYDE VALUE:	<i><= 15 mEq O2/KG</i>	<i>N/A</i>

DISCLAIMER

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% TOTAL: 99.99	COMPONENTS
0.01	Isovaleraldehyde
0.04	Ethanol
0.01	Tricyclene
5.03	Alpha-pinene
0.98	Alpha-thuyene
0.02	Alpha-fenchene
0.17	Camphene
3.65	Beta-pinene
13.79	Sabinene
0.04	Pinadiene
1.72	Beta-Myrcene
0.12	Alpha-phellandrene
0.99	Alpha-terpinene
0.03	2,3-Dehydro-1,8-cineole
0.02	Terpene isomere
1.23	Limonene
54.27	1,8-Cineole
0.06	Cis-beta-ocimene
1.57	Gamma-terpinene
0.31	Trans-beta-ocimene + Ester aliphatique
0.20	p-Cymene
0.39	Terpinolene
0.01	3-Hexen-1-ol
0.79	Trans-thuyanol
0.03	Alpha-cubebene
0.01	Delta-elemene
0.01	Bicycloelemene
0.01	Sesquiterpene
0.01	Alpha-copaene
0.01	Beta-bourbonene
0.01	Alpha-gurjunene
0.04	Linalol
0.62	Cis-thuyanol
0.12	Trans-p-menth-2-en-1-ol
0.08	Beta-elemene
0.47	Beta-caryophyllene
2.43	Terpinene-4-ol
0.01	Aromadendrene
0.01	Sesquiterpene
0.01	Sesquiterpene
0.07	Cis-p-menth-2-en-1-ol
0.01	Germacrene A
0.65	Alpha-humulene
0.67	Delta-terpineol
0.03	Gamma-selinene
0.04	Cis-piperitol
0.02	Gamma-muurolene
0.11	Borneol
8.02	Alpha-terpineol
0.07	Ledene
0.23	Germacrene D
0.11	Beta-selinene
0.01	Alpha-muurolene
0.08	Alpha-selinene
0.18	Bicyclogermacrene
0.01	Sesquiterpene
0.06	Trans-piperitol
0.03	Delta-cadinene

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0.01	<i>Citronellol</i>
0.08	<i>Nerol</i>
0.05	<i>Germacrene B</i>
0.01	<i>p-Cymene-8-ol</i>
0.01	<i>Safrole</i>
0.01	<i>Oxyde de caryophyllene</i>
0.01	<i>Nerolidol</i>
0.01	<i>Viridiflorol</i>
0.03	<i>Guaiol</i>
0.01	<i>Spathulenol</i>
0.01	<i>Acide sorbique</i>
0.01	<i>Alpha-nootkatol</i>
0.01	<i>Eudesma-7(11)-en-4-ol</i>