



CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Niaouli	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Melaleuca quinquenervia	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:	Melaleuca quinquenervia leaf oil		
CAS TSCA:	8014-68-4	HS CODE:	3301.29
CAS EINECS:	132940-73-9	EINECS:	
FEMA:	N/A	COE:	N/A
COUNTRY OF ORIGIN:	Madagascar	FDA CODE:	N/A
PRODUCTION TYPE:	Certified Organic	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled	 	
PART DISTILLED:	Leaves		
LOT NUMBER:	EAB635785MG30821A		
PRODUCTION DATE:	2019-12		
EXPIRATION DATE:	2024-12		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Colorless to pale yellow liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic sweet camphor-like odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.908 to 0.924 @ 20°C</i>	<i>0.910</i>
OPTICAL ROTATION:	<i>-3.3 – +1.0 @ 20°C</i>	<i>-3.3</i>
REFRACTIVE INDEX:	<i>1.466 – 1.472 @ 20°C</i>	<i>1.4674</i>
PEROXYDE VALUE:	<i><= 15 mEq O2/KG</i>	<i>N/A</i>

DISCLAIMER

The information above is given in good faith and is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ZAYAT AROMA INC. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ZAYAT AROMA INC. has been advised of the possibility of such damages. This data is not to be constructed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. This data relates only to the specific material designated and not to be used in combination with any other material. Many regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations.

Niaouli
Melaleuca quinquenervia

LOT: MG30821A

CERTIFICATE OF ANALYSIS

% TOTAL: 100	COMPONENTS
7.79	Alpha-pinene
0.21	Alpha-thuyene
0.02	Alpha-fenchene
0.07	Camphene
2.16	Beta-pinene
0.12	Sabienene
0.01	Delta3-carene
0.05	Alpha-phellandrene
1.25	Beta-myrcene
0.05	Psi-limonene
0.47	Alpha-terpinene
7.17	Limonene
55.44	1,8-Cineole
1.75	Gamma-terpinene
0.03	Trans-beta-ocimene
0.60	p-Cymene
0.90	Terpinolene
0.03	Alpha-p-dimethylstyrene
0.05	Sesquiterpene
0.17	Alpha-gurjunene
0.14	Linalool
0.02	Neoisopulegol
0.05	Isopulegol
0.03	Sesquiterpene
0.02	Fenchol
1.89	Beta-caryophyllene
0.85	Terpinene-4-ol
0.04	Sesquiterpene
0.03	Aromadendrene
0.02	Sesquiterpene
0.03	Methyl benzoate
0.01	Selinene isomer
0.42	Allo-aromadendrene
0.03	Sesquiterpene
0.01	Trans-pinocarveol
0.01	Gamma-gurjunene
0.02	Zonarene
0.38	Alpha-humulene
0.13	Delta-terpineol
0.04	Gamma-selinene
0.01	Sesquiterpene
0.07	Myrtenyl acetate
0.07	Lavandulal
0.07	Gamma-muurolene
1.25	Terpenyl acetate
1.05	Ledene
6.08	Alpha-terpineol
0.01	Sesquiterpene
0.02	Sesquiterpene
0.20	Beta-selinene
0.18	Alpha-selinene
0.05	Alpha-muurolene
0.01	Bicyclogermacrene
0.02	Sesquiterpene
0.34	Delta-cadinene
0.10	Gamma-cadinene
0.03	Citronellol
0.02	Cadina-1,4-diene

CERTIFICATE OF ANALYSIS

0.02	<i>Myrtenol</i>
0.02	<i>Sesquiterpene</i>
0.01	<i>Compound Mw=202</i>
0.01	<i>Calamenene</i>
0.06	<i>p-Cymene-8-ol</i>
0.02	<i>Geraniol</i>
0.03	<i>Exo-2-hydroxycineole</i>
0.02	<i>Methyl-thio benzoate</i>
0.02	<i>Sesquiterpene</i>
0.13	<i>Palustrol</i>
0.12	<i>Caryophyllene epoxide</i>
0.01	<i>Sesquiterpenic epoxide</i>
0.02	<i>Sesquiterpenol</i>
0.75	<i>Ledol</i>
0.79	<i>Nerolidol</i>
0.16	<i>Gleenol</i>
0.02	<i>Sesquiterpenol</i>
0.06	<i>Globulol</i>
4.95	<i>Viridiflorol</i>
0.09	<i>Guaiol</i>
0.03	<i>Rosifoliol</i>
0.01	<i>Eugenol</i>
0.01	<i>Gamma-eudesmol</i>
0.10	<i>T-Cadinol</i>
0.02	<i>Alpha-muurolol</i>
0.02	<i>Bulnesol</i>
0.04	<i>Alpha-eudesmol</i>
0.04	<i>Beta-eudesmol</i>
0.01	<i>Alpha-cadinol</i>
0.02	<i>Citronellic acid</i>
0.02	<i>Eudesma-7(11)-en-4-ol</i>
0.01	<i>Caryophylla-2,6-dien-5-alpha-ol</i>
0.05	<i>Alpha-copaene</i>
0.22	<i>Benzaldehyde</i>