



CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Geranium Rose	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Pelargonium graveolens	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:	Pelargonium roseum asperum (Geranium) Oil		
CAS TSCA:	8000-46-2	HS CODE:	3301.29
CAS EINECS:	90082-51-2	EINECS:	
FEMA:	2508	COE:	324n
COUNTRY OF ORIGIN:	Egypt	FDA CODE:	182.2
PRODUCTION TYPE:	Certified Organic	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled	 	
PART DISTILLED:	Leaves		
LOT NUMBER:	EAB735471EG23420A		
PRODUCTION DATE:	05/2020		
EXPIRATION DATE:	05/2022		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Amber-yellow to greenish yellow</i>	<i>Complies</i>
ODOR	<i>Dew, more or less minty</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.860 - 0.905 @ 20°C</i>	<i>0.882</i>
OPTICAL ROTATION:	<i>-18 - -5 @ 20°C</i>	<i>-10.3</i>
REFRACTIVE INDEX:	<i>1.463 - 1.476 @ 20°C</i>	<i>1.464</i>
PEROXYDE VALUE:	<i><= 15 mEq O2/KG</i>	<i>N/A</i>

DISCLAIMER

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Geranium Rose
Pelargonium graveolens

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% TOTAL: 88.44	COMPONENTS
0.64	<i>Alpha-Pinene</i>
0.16	<i>Myrcene</i>
0.21	<i>Limonene</i>
4.31	<i>Linalool</i>
1.31	<i>Rose oxide (Z)</i>
0.53	<i>Rose oxide (E)</i>
1.30	<i>Menthone</i>
6.55	<i>Isomenthone</i>
0.15	<i>Alpha-terpineol</i>
35.92	<i>Citronellol</i>
0.37	<i>Neral</i>
12.85	<i>Geraniol</i>
0.40	<i>Geranial</i>
8.73	<i>Citronellyl formate</i>
2.57	<i>Geranyl formate</i>
0.51	<i>Citronellyl acetate</i>
1.36	<i>Geranyl acetate</i>
0.49	<i>Alpha-copaene</i>
0.36	<i>Guaia-6, 9-diene</i>
1.70	<i>Germacrene D</i>
1.75	<i>Gamma-cadinene</i>
0.66	<i>Geranyl butyrate</i>
0.52	<i>Phenyl ethyl tiglate</i>
4.28	<i>10-Epi-gamma-eudesmol</i>
0.81	<i>Geranyl tiglate</i>

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