

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Geranium Rose - ESSENTIAL OIL	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Pelargonium graveolens	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):	N/A	TELEPHONE:	1.855.534.1671
		FAX:	1.855.318.6124
		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:	290-140-0
FEMA:	2508	COE:	324n
COUNTRY OF ORIGIN:	Egypt	FDA CODE:	182.2
PRODUCTION TYPE:	Conventional Organic		
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Leaves		
LOT NUMBER:	EAB735471EG23417D		
PRODUCTION DATE:	September 2017		
EXPIRATION DATE:	September 2019		

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 @ 20Â°C</i>	<i>0.885</i>
OPTICAL ROTATION:	<i>-18 - -5 @ 20°C</i>	<i>-18 - -5 @ 20°C</i>
REFRACTIVE INDEX:	<i>1.463 - 1.476 @ 20°C</i>	<i>Complies</i>

DISCLAIMER

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Pelargonium graveolens

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COMPONENTS	% TOTAL: 89.12
<i>A-pinene</i>	0.42
<i>myrcene</i>	0.05
<i>limonene</i>	0.17
<i>linalool</i>	5.01
<i>rose oxide (z)</i>	1.23
<i>rose oxide (e)</i>	0.47
<i>menthone</i>	2.28
<i>isomenthone</i>	5.15
<i>A-terpineol</i>	<i>n.d</i>
<i>citronellol</i>	35.64
<i>neral</i>	0.40
<i>geraniol</i>	13.20
<i>geranial</i>	0.38
<i>citronellyl formate</i>	8.4
<i>geranyl formate</i>	2.95
<i>citronellyl acetate</i>	0.52
<i>geranyl acetate</i>	1.2
<i>a-copaene</i>	0.35
<i>guaia-6,9-diene</i>	0.41
<i>germacrene D</i>	1.32
<i>Y-cadinene</i>	1.58
<i>geranyl butyrate</i>	1.00
<i>phenyl ethyl tiglate</i>	1.02
<i>10-epi-y-eudesmol</i>	5.32
<i>geranyl tiglate</i>	1.29

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