

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Clary Sage	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Salvia sclarea	ADDRESS:	1339 SHEFFORD, BROMONT (QC) J2L 1C9, CANADA
SYNONYM(S):		TELEPHONE:	1.855.534.1671
		FAX:	1.855.318.6124
		WEB:	WWW.ZAYATAROMA.COM
		E-MAIL:	INFO@ZAYATAROMA.COM
INCI NAME:	Salvia sclarea (sage) oil		
CAS TSCA:	8016-63-5	HS CODE:	3301.29
CAS EINECS:	84775-83-7	EINECS:	283-911-8
FEMA:	2321	COE:	415n
COUNTRY OF ORIGIN:	France	FDA CODE:	182.2
PRODUCTION TYPE:	Conventional		
PRODUCTION METHOD:	Distillation complète à la vapeur d'eau		
PART DISTILLED:	Flowers		
LOT NUMBER:	EAC725726FR35618C		
PRODUCTION DATE:	April 2018		
EXPIRATION DATE:	April 2020		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Colorless to pale yellow clear liquid</i>	<i>Complies</i>
ODOR	<i>Herbaceous, characteristic of Clary Sage</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in oil. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.890- 0.930 @ 20°C</i>	<i>0.906</i>
OPTICAL ROTATION:	<i>-1° - -15°</i>	<i>-6.23Å°</i>
REFRACTIVE INDEX:	<i>1.450 - 1.480 @ 20°C</i>	<i>1.4619</i>
PEROXYDE VALUE:	<i><= 15 mEq 02/KG</i>	<i>Complies</i>

DISCLAIMER

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Clary Sage
Salvia sclarea

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COMPONENTS	% TOTAL: 99.96
BUTANAL - 2 -METHYL	0.03
ISOVALERALDEHYDE	0.05
ETHANOL	0.01
FURAN-2-ETHYL	0.01
α -PINENE	0.14
CAMPHENE	0.03
β -PINENE	0.14
SABINENE	0.03
β -MYRCENE	0.61
α -PHELLANDRENE	0.04
α -TERPINENE	0.01
LIMONENE	0.19
β -PHELLANDRENE	0.01
ISOAMYL ALCOHOL	0.02
Cis -ARBUSCULON	0.04
2 -HEXENAL	0.04
Cis - B -OCIMENE	0.34
Trans -ARBUSCULON	0.03
γ -TERPINENE	0.02
Trans - B -OCIMENE	0.52
<i>p</i> -CYMENE	0.01
ISOTERPINOLENE	0.01
TERPINOLENE	0.08
1 -PENTANOL - 4 -METHYL	0.02
FENCHONE	0.02
NONANAL	0.02
2 -HEXEN - 1 -OL	0.02
MENTHATRIENE ISOMER	0.01
1 -OCTEN - 3 -OL + cis -LINALOOL OXIDE	0.03
α -CUBEBENE	0.04
trans -LINALOOL OXIDE	0.01
NERYL EPOXIDE	0.03
BICYCLOELEMENE	0.02
α -COPAENE	0.69
α -BOURBONENE	0.02
β -BOURBONENE	0.13
β 1 -CUBEBENE	0.18
LINALOOL	11.93
LINALYL ACETATE	72.69
? -CADINENE	0.05
BORNYL ACETATE	0.03
EPOXYLINALYL ACETATE	0.76
β -ELEMENE	0.11
β -CUBEBENE	0.06
β -CARYOPHYLLENE	1.51
TERPINENE - 4 -OL	0.03
AROMADENDRENE	0.02
ALIPHATIC ESTER	0.04
Cis - <i>p</i> -2,8 -MENTHADIEN - 1 -OL	0.02
SESQUITERPENE	0.02
α -HUMULENE	0.06
NERYL FORMIATE	0.04
γ -MUUROLENE	0.04
α -TERPINEOL	0.76
BORNEOL	0.03
GERMACRENE D	4.68
SESQUITERPENE	0.01
β -SELINENE	0.01

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SESQUITERPENE	0.04
a-SELINENE	0.02
a-MUUROLENE	0.01
NERYL ACETATE	0.36
BICYCLOGERMACRENE	0.58
a-FARNESENE	0.16
GERANYL ACETATE	0.78
SESQUITERPENE	0.01
AGAROFURAN, a -DIHYDRO	0.02
METHYL SALICYLATE	0.01
NEROL	0.17
Cis -EPOXYLINALYL ACETATE	0.03
Trans - EPOXYLINALYL ACETAT E	0.01
ANETHOL	0.12
GERANIOL	0.41
ALIPHATIC ESTER	0.02
ALIPHATIC ESTER	0.02
HEXENYLIC ESTER	0.05
ISOCARYOPHYLLENE OXIDE	0.04
CARYOPHYLLENE OXIDE	0.06
SESQUITERPENIC EPOXIDE	0.04
SESQUITERPENIC EPOXIDE	0.04
SESQUITERPENOL	0.02
SPATHULENOL	0.06
SESQUITERPENOL	0.02
SESQUITERPENIC EPOXIDE	0.01
SESQUITERPENOL	0.01
a-EUDESOL	0.01
B-EUDESOL	0.03
a-CADINOL	0.02
SCLAREOL OXIDE	0.04
SESQUITERPENIC EPOXIDE	0.04
GERANYL - p -CYMENE	0.01
MANOOL	0.01
SCLAREOL	0.13