



CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Palo Santo	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Bursera 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
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INCI NAME:	Bursera graveolens wood oil		
CAS TSCA:	959130-05-3	HS CODE:	3301.29
CAS EINECS:	959130-05-3	EINECS:	619-180-2
FEMA:	N/A	COE:	N/A
COUNTRY OF ORIGIN:	Peru	FDA CODE:	N/A
PRODUCTION TYPE:	Wild		
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Wood		
LOT NUMBER:	EAS287473PE29823A		
PRODUCTION DATE:	09/2023		
EXPIRATION DATE:	09/2028		

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Pale yellow liquid</i>	<i>Complies</i>
ODOR	<i>Intense fresh odor</i>	<i>Complies</i>
SOLUBILITY	<i>Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.857 - 0.883 @ 20°C</i>	<i>0.893</i>
OPTICAL ROTATION:	<i>N/A</i>	
REFRACTIVE INDEX:	<i>1.463 - 1.483 @20°C</i>	<i>N/A</i>
PEROXYDE VALUE:	<i><= 15 mEq O2/KG</i>	<i>N/A</i>

DISCLAIMER

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% TOTAL: 99.72	COMPONENTS
0.02	ETHANOL
0.03	2-OCTENE, 3,7-DIMETHYL
0.02	m-MENTHANE
0.07	alpha-PINENE
0.02	2-OCTENE, 2,6-DIMETHYL
0.01	TOLUENE
0.02	MENTHENE ISOMER
0.02	MENTHENE ISOMER
0.19	p-MENTH-8-ENE
0.02	KETONIC COMPOUND Mw=98
0.09	p-MENTH-2-ENE
0.03	TERPENIC COMPOUND
0.06	beta-MYRCENE
0.06	alpha-PHELLANDRENE
0.02	psi-LIMONENE
0.14	1,8-CINEOLE, 2,3-DEHYDRO
56.44	LIMONENE
0.23	1,8-CINEOLE
0.12	CYCLOPENTANONE, 3-METHYL
0.36	1,3,8-p-MENTHATRIENE
0.01	COMPOUND Mw=152
0.63	MENTHATRIENE ISOMER
0.03	3,8-p-MENTHADIENE
2.61	p-CYMENE
0.03	TERPINOLENE
0.16	ETHANONE, CYCLOHEXYL- ISOMER
0.04	PINOL
0.07	CYCLOHEXANONE, 3-METHYL
0.02	COMPOUND Mw=152
0.06	5-HEPTEN-2-ONE, 6-METHYL
0.02	KETONIC COMPOUND
0.04	AROMATIC COMPOUND
0.07	COSMENE ISOMER
0.02	KETONIC COMPOUND
0.02	AROMATIC COMPOUND
0.33	alpha,p-DIMETHYLSTYRENE
0.04	LINALOOL cis-OXIDE
0.03	LIMONENE cis-1,2-EPOXIDE
0.02	COMPOUND Mw=152
0.14	LIMONENE trans-1,2-EPOXIDE
0.09	alpha-CUBEBENE
0.68	MENTHONE
0.01	LINALOOL trans-OXIDE
0.25	delta-ELEMENE
1.38	MENTHOFURAN
0.19	YLANGENE
0.62	ISOMENTHONE
0.18	9 alpha-COPAENE
0.03	CAMPHOR
0.03	TERPENIC COMPOUND
0.04	beta-BOURBONENE
0.01	SESQUITERPENE
0.02	COMPOUND Mw=152
0.03	beta1-CUBEBENE
0.02	LIMONENE cis-8,9-EPOXIDE
0.1	LINALOOL
0.06	LIMONENE trans-8,9-EPOXIDE
0.14	4-ACETYLCYCLOHEX-1-ENE, 1-METHYL

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0.12	3,9-EPOXY-p-MENTHA-1,8-DIENE
0.02	COMPOUND Mw=152
0.63	COMPOUND Mw=206
0.06	alpha-cis-BERGAMOTENE
0.05	alpha-CEDRENE
0.11	epsilon-CADINENE
0.04	TERPENIC COMPOUND
0.03	trans-ISOPULEGONE
0.05	alpha-trans-BERGAMOTENE
0.94	beta-CUBEBENE
0.1	beta-ELEMENE
0.07	NEOMENTHOL
0.1	TERPINENE-4-OL
0.03	COMPOUND Mw=152
0.13	6,9-GUAIDIENE
0.38	cis-DIHYDROCARVONE
0.08	TERPENIC ALCOHOL
0.07	COMPOUND Mw=152
0.04	THUYOPSENE
0.64	trans-DIHYDROCARVONE/SESQUITERPENE
0.4	cis-p-MENTHA-2,8-DIEN-1-OL
0.3	cis-beta- TERPINEOL
0.02	CADINA-3,5-DIENE
0.04	COMPOUND Mw=170
0.41	MENTHOL
0.9	PULEGONE
0.04	AROMATIC ESTER
0.03	beta-SANTALENE
0.02	FARNESENE ISOMER
0.02	ALIPHATIC ALCOHOL
0.04	CRYPTONE
0.26	ISOMENTHOL
0.37	trans-p-MENTHA-2,8-DIEN-1-OL
0.07	E-beta-FARNESENE
0.04	CARVOTANACETONE
0.05	SESQUITERPENE
0.64	LAVANDULAL
0.93	gamma-MUUROLENE
7.41	alpha-TERPINEOL
0.05	BENZOFURAN, 4,7-DIMETHYL
0.11	SESQUITERPENE
0.18	GERMACRENE D
0.17	SESQUITERPENE/COMPOUND Mw=150
0.32	EREMOPHILENE/ALIPHATIC ESTER
0.03	BICYCLOGERMACRENE
0.22	alpha-MUUROLENE
4.93	alpha-DIHYDRO-AGAROFURAN/beta-BISABOLENE
2.6	CARVONE
0.06	SESQUITERPENE
0.03	COMPOUND Mw=152
0.15	cis-ISOPIPERITENOL
0.06	cis-DIHYDROCARVEOL
0.43	trans-ISOPIPERITENOL
0.38	delta-CADINENE
0.33	gamma-CADINENE
0.19	alpha-PANASINSEN
0.18	p-METHYLACETOPHENONE
0.05	alpha-CURCUMENE
0.14	trans-p-MENTHA-1,2-DIEN-8-OL
0.12	PERILLALDEHYDE
0.01	CADINA-1,4-DIENE
0.29	trans-p-MENTHA-1(7),8-DIEN-2-OL
0.07	trans-SABINOL
0.03	AROMATIC COMPOUND Mw=160
0.03	CUPARENE
1.47	trans-CARVEOL

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0.08	trans-CALAMENENE
0.15	p-CYMENE-8-OL
0.02	EXO-2-HYDROXYCINEOLE
0.55	cis-CARVEOL
0.03	TERPENIC OXIDE
0.09	cis-p-MENTHA-1(7),8-DIEN-2-OL
0.08	alpha-AGAROFURAN
0.03	AROMATIC COMPOUND
0.02	AROMATIC COMPOUND
0.07	alpha-CALACORENE
0.17	PHENOLIC COMPOUND Mw=150
0.02	beta-CALACORENE
0.07	AROMATIC COMPOUND
0.02	SESQUITERPENE
0.07	LIMONENE-10-OL
0.01	TERPENIC COMPOUND
0.03	PERILLYL ALCOHOL
0.07	AROMATIC COMPOUND
0.05	SESQUITERPENOL
0.01	KETONIC COMPOUND
0.01	SESQUITERPENIC OXIDE
0.01	AROMATIC COMPOUND
1.43	JUNEOL
0.02	CUBENOL
0.02	p-CRESOL
0.02	GLOBULOL
0.03	CUMINOL
0.33	10-epi-gamma-EUDESOL
0.06	SESQUITERPENOL
0.02	AROMATIC COMPOUND
0.02	SESQUITERPENOL
0.02	SPATHULENOL
0.06	alpha-BISABOLOL B OXIDE
0.06	TERPENIC OXIDE
0.02	TERPENIC COMPOUND
0.02	COMPOUND Mw=220
0.05	TERPENIC COMPOUND
0.02	T-CADINOL
0.02	THYMOL
0.04	alpha-MUUROLOL
0.1	SESQUITERPENOL
0.02	CARVACROL
0.23	VALERIANOL
0.29	alpha-BISABOLOL
0.02	CADALENE
0.16	4-HYDROXY-DIHYDRO-alpha-AGAROFURAN/alpha-CADINOL
0.03	AROMATIC COMPOUND
0.03	trans-LIMONENE-1,2-DIOL
0.01	SESQUITERPENOL
0.02	AROMATIC COMPOUND
0.02	AROMATIC ESTER
0.21	MINT LACTONE
0.02	TERPENIC COMPOUND
0.02	TERPENIC COMPOUND
0.02	SESQUITERPENOL
0.03	AROMATIC COMPOUND
0.02	MINT LACTONE ISOMER