


## CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION		COMPANY IDENTIFICATION	
PRODUCT NAME:	Hemlock Spruce	COMPANY:	ZAYAT AROMA INC.
BOTANICAL NAME:	Tsuga canadensis	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:	Tsuga canadensis leaf oil		
CAS TSCA:	8008-10-4	HS CODE:	3301.29
CAS EINECS:	289-926-6	EINECS:	
FEMA:	N/A	COE:	N/A
COUNTRY OF ORIGIN:	Canada	FDA CODE:	N/A
PRODUCTION TYPE:	Certified Organic	Certified organic by Ecocert Canada	
PRODUCTION METHOD:	Steam distilled		
PART DISTILLED:	Needles & Twigs		
LOT NUMBER:	EAB878226CA35223C		
PRODUCTION DATE:			
EXPIRATION DATE:			

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Colorless to pale yellow liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic fresh balsamic sweet fruity odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.890 - 0.926 @ 20°C</i>	
OPTICAL ROTATION:	<i>-25.0 - -15.0 @ 20°C</i>	
REFRACTIVE INDEX:	<i>1.466 - 1.472 @ 20°C</i>	<i>N/A</i>
PEROXYDE VALUE:	<i>&lt;= 15 mEq O2/KG</i>	<i>N/A</i>

### DISCLAIMER

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Hemlock Spruce  
Tsuga canadensis

LOT: CA35223C

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% TOTAL: 69.6708

COMPONENTS

2.08370	<i>Santène</i>
1.52627	<i>tricyclene</i>
19.87304	<i>a pinène</i>
0.07613	<i>camphène</i>
15.09364	<i>b pinène</i>
5.30705	<i>d3 carene</i>
6.12111	<i>l limonene</i>
0	<i>b phellandrene</i>
0.02000	<i>terlinolene</i>
3.01204	<i>camphor</i>
16.55782	<i>bornyl acetate</i>

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