



CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

PRODUCT NAME: White Pine
BOTANICAL NAME: Pinus strobus
SYNONYM(S):

INCI NAME: Pinus strobus (white) oil
CAS TSCA: 8021-29-2
CAS EINECS: N/A
FEMA: N/A
COUNTRY OF ORIGIN: Canada
PRODUCTION TYPE: Organic
PRODUCTION METHOD: Steam distilled
PART DISTILLED: Needles & Twigs
LOT NUMBER: EAB746787CA92218B
PRODUCTION DATE: March 2018
EXPIRATION DATE: March 2023

COMPANY IDENTIFICATION

COMPANY: ZAYAT AROMA INC.
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CANADA
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WEB: WWW.ZAYATAROMA.COM
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HS CODE: 3301.29
EINECS:
COE: N/A
FDA CODE: N/A

PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Clear to yellowish liquid</i>	<i>Complies</i>
ODOR	<i>Characteristic pine odor</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.835 – 0.915 @ 20°C</i>	<i>0.85</i>
OPTICAL ROTATION:	<i>N/A</i>	<i>N/A</i>
REFRACTIVE INDEX:	<i>N/A</i>	<i>N/A</i>
PEROXYDE VALUE:	<i><= 10 mEq O2/KG</i>	<i>Complies</i>

DISCLAIMER

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White Pine
Pinus strobus

LOT: CA92218B

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% TOTAL: 99.31	COMPONENTS
0.23	<i>Santene</i>
0.51	<i>tricyclène</i>
0.04	<i>?-thujène</i>
33.09	<i>?-pinène</i>
5.59	<i>camphène</i>
14.765	<i>sabinène</i>
14.765	<i>?pinène</i>
13.57	<i>myrcène</i>
0.56	<i>?phellendène</i>
0.08	<i>?-carène</i>
0.12	<i>?terpinène</i>
0.07	<i>para-cymène</i>
4.19	<i>limonène</i>
4.19	<i>?-phellendène</i>
0.18	<i>?terpinène</i>
1.15	<i>terpinolène</i>
0.06	<i>cis-p-mentha-2,8-diène-1-ol</i>
0.07	<i>camphre</i>
0.1	<i>non-identifié</i>
0.18	<i>bornéol</i>
0.16	<i>terpin-1-én-4-ol</i>
0.43	<i>?-terpinéol</i>
2.1	<i>acétate de bornyle</i>
1.3	<i>?-caryophyllène</i>
0.6	<i>?-humulène</i>
0.28	<i>germarène D</i>
0.11	<i>bicyclogermacrène</i>
0.11	<i>?-zingibérène?</i>
0.2	<i>non-identifié</i>
0.15	<i>?-cadinène</i>
0.36	<i>?-cadinène</i>

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