

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: | 8008-80-8 | EINECS: | |
| FEMA: | N/A | COE: | N/A |
| COUNTRY OF ORIGIN: | Canada | FDA CODE: | N/A |
| PRODUCTION TYPE: | Organic | | |
| PRODUCTION METHOD: | Steam distilled | | |
| PART DISTILLED: | Needles & Twigs | | |
| LOT NUMBER: | EAB878226CA93219F | | |
| PRODUCTION DATE: | 04/2019 | | |
| EXPIRATION DATE: | 04/2024 | | |

| 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>0.907 - 0.926 @ 20°C</i> | <i>1.912</i> |
| OPTICAL ROTATION: | <i>-25.0 - -15.0 @ 20°C</i> | <i>-17.0</i> |
| REFRACTIVE INDEX: | <i>1.466 - 1.472 @ 20°C</i> | <i>1.468</i> |
| PEROXYDE VALUE: | <i><= 15 mEq O2/KG</i> | <i>N/A</i> |

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