



CERTIFICATE OF ANALYSIS

| PRODUCT IDENTIFICATION | | COMPANY IDENTIFICATION | |
|------------------------|---------------------------------|--|---|
| PRODUCT NAME: | Calamus | COMPANY: | ZAYAT AROMA INC. |
| BOTANICAL NAME: | Acorus calamus | 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: | Acorus calamus (sweet flag) oil | | |
| CAS TSCA: | 8015 - 79 -0 | HS CODE: | 3301.29 |
| CAS EINECS: | N/A | EINECS: | N/A |
| FEMA: | N/A | COE: | N/A |
| COUNTRY OF ORIGIN: | Nepal | FDA CODE: | N/A |
| PRODUCTION TYPE: | Certified Organic | Certified organic by Ecocert Canada | |
| PRODUCTION METHOD: | Steam distilled |   | |
| PART DISTILLED: | Roots | | |
| LOT NUMBER: | EAB226225NP38323A | | |
| PRODUCTION DATE: | 27/01/2022 | | |
| EXPIRATION DATE: | 27/01/2027 | | |

| PROPERTIES | SPECIFICATIONS | RESULTS |
|-------------------|---|-----------------|
| APPEARANCE | <i>Yellow to yellowish brown slightly viscous liquid.</i> | <i>Complies</i> |
| ODOR | <i>Yellow to yellowish brown slightly viscous liquid.</i> | <i>Complies</i> |
| SOLUBILITY | <i>Soluble in alcohol and oils. Insoluble in water.</i> | <i>Complies</i> |
| SPECIFIC GRAVITY: | <i>1.060 - 1.080 @ 25°C</i> | <i>1.07</i> |
| OPTICAL ROTATION: | <i>-7.0 - +2.0 @ 20°C</i> | |
| REFRACTIVE INDEX: | <i>1.5400 - 1.5525 @ 20°C</i> | <i>N/A</i> |
| PEROXYDE VALUE: | <i><= 15 mEq O2/KG</i> | <i>N/A</i> |

DISCLAIMER

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Calamus
Acorus calamus

LOT: NP38323A

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| % TOTAL: 94.9 | COMPONENTS |
|---------------|------------------------------|
| 0.6 | <i>Trans beta ocimene</i> |
| 1 | <i>A- calacorene</i> |
| 1.5 | <i>Cis methyl isoeugenol</i> |
| 1.3 | <i>Elemicine</i> |
| 77.6 | <i>B-asarone</i> |
| 12.9 | <i>A-asarone</i> |

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