

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

PRODUCT NAME: Ginger
 BOTANICAL NAME: Zingiber officinale
 SYNONYM(S):

INCI NAME: Zingiber officinale (ginger) root oil
 CAS TSCA: 8/7/8007 HS CODE: 3301.29
 CAS EINECS: 84696-15-1 EINECS: N/A
 FEMA: 2522 COE: 489n
 COUNTRY OF ORIGIN: India FDA CODE: 182.2
 PRODUCTION TYPE: Certified Organic
 PRODUCTION METHOD: Steam distilled
 PART DISTILLED: Roots
 LOT NUMBER: EAB946638IN32521A
 PRODUCTION DATE: 12/2020
 EXPIRATION DATE: 12/2022

COMPANY IDENTIFICATION

COMPANY: ZAYAT AROMA INC.
 ADDRESS: 1339 SHEFFORD, BROMONT (QC) J2L 1C9,
 CANADA
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Certified organic by Ecocert Canada



PROPERTIES	SPECIFICATIONS	RESULTS
APPEARANCE	<i>Pale yellow to yellow liquid.</i>	<i>Complies</i>
ODOR	<i>Characteristic spicy somewhat pungent ginger odor.</i>	<i>Complies</i>
SOLUBILITY	<i>Soluble in alcohol and oils. Insoluble in water.</i>	<i>Complies</i>
SPECIFIC GRAVITY:	<i>0.873 – 0.885 @ 20°C</i>	<i>0.885</i>
OPTICAL ROTATION:	<i>N/A</i>	<i>NA</i>
REFRACTIVE INDEX:	<i>1.488 – 1.494 @ 20°C</i>	<i>1.488</i>
PEROXYDE VALUE:	<i><= 15 mEq O2/KG</i>	<i>N/A</i>

DISCLAIMER

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Ginger
Zingiber officinale

LOT: IN32521A

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% TOTAL: 100	COMPONENTS
1.50	<i>Alpha pinene</i>
5.60	<i>Camphene</i>
0.30	<i>Gamma terpinene</i>
2.60	<i>Limonene</i>
1.97	<i>1,8 cineole</i>
0.41	<i>Endo-borneol</i>
0.18	<i>Alpha terpinolene</i>
0.16	<i>Menthatriene</i>
0.23	<i>Geranial</i>
0.56	<i>Alpha copaene</i>
0.49	<i>Beta elemene</i>
0.22	<i>Aromadendrene</i>
0.23	<i>Junipene</i>
1.96	<i>Germacrene-D</i>
11.74	<i>Ar curcumene</i>
0.19	<i>Isolongifolene</i>
0.17	<i>Alpha muurolene</i>
29.80	<i>Alpha zingiberene</i>
7.44	<i>Calarene</i>
8.54	<i>Farnesene</i>
7.20	<i>Beta bisabolene</i>
1.64	<i>Delta cadinene</i>
13.94	<i>Beta funebrene</i>
1.89	<i>Germacrene B</i>
0.36	<i>Gamma muurolen</i>
0.47	<i>Beta cedrene</i>
0.21	<i>Alloaromadendrene</i>

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