

# Certificate of Analysis

Product: LAVENDER TRUE OIL

Botanical Name: *Lavandula angustifolia* Mill

Country of Origin: France

## PHYSICAL AND CHEMICAL PROPERTIES

TEST	RESULT
Relative Density @ 20° C	0.882
Refractive Index @ 20° C	1.46082
Optical Rotation @ 20° C	-8.85

## GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	RESULT (%)
Tricyclene	0.022
Alpha-Thujene	0.040
Alpha-Pinene	0.117
Camphene	0.242
Sabinene	0.049
Beta-Pinene	0.068
1-Octen-3-ol	0.398
3-Octanone	0.596
Myrcene	0.631
Dehydro-1,8-Cineole	0.056
Butanoate de Butyle	0.044
3-Octanol	0.080
Alpha-Phellandrene	0.035
Delta-3-Carene	0.359
Acetate d'Hexyle	0.160
Alpha-Terpinene	0.015
Ortho-Cymene	0.066
Para-Cymene	0.161
Limonene	0.373
Beta-Phellandrene	0.493
Eucalyptol	1.513
(Z)-Beta-Ocimene	3.033

(E)-Beta-Ocimene	3.763
Gamma-Terpinene	0.049
Cis Oxyde de Linalol (furanoid)	0.188
Cis-Hydrate de Sabinene (IPP vs. OH)	0.049
Terpinolene	0.071
Trans-Oxyde de Linalol (furanoid)	0.157
Para-Cymenene	0.020
Linalol	24.675
Acetate d'octene-3-yle	1.853
Acetate d'octan-3-yle	0.098
Allo-Ocimene	0.149
Isobutanoate d'hexyle	0.030
Camphre	0.432
Lavandulol	0.473
Pinocarvone	0.072
Borneol	1.212
Terpinen-4-ol	1.323
Para-Cymen-8-ol	0.080
Butanoate d'Hexyle	0.178
Cryptone	0.278
Alpha-Terpineol	0.869
2-Methyl-Butanoate d'hexyle+Formate de Bornyle	0.093
Acetate de Linalyle	40.476
Geraniol + Cuminaldehyde	0.305
Acetate de Lavandulyle	3.228
Acetate de Bornyle	0.169
Acetate de Neryle	0.343
Acetate de Geranyle	0.642
Hexanoate d'Hexyle	0.013
Beta-Bourbonene	0.052
Sesquithujene	0.017
Alpha-Cis-Bergamotene	0.054
Alpha-Santalene	0.572
Beta-Caryophyllene	4.439

Alpha-Trans-Bergamotene	0.157
(E)-Beta-Farnesene	1.727
Sesquisabinene	0.115
Alpha-Humulene	0.150
Germacrene-D	0.427
Beta-Bisabolene	0.044
Gamma-Cadinene	0.244
Hydrocarbure sesquiterpenique MW 202	0.073
Cis-Calamenene+Beta- Sesquiphellandrene	0.024
Sesquiterpene Oxygene MW220	0.075
Oxyde de Caryophyllene	1.094
1,10-Di-Epi-Cubenol	0.035
Epi-Alpha-Cadinol	0.332