

Certificate of Analysis - Basil Linalool

Sample: Basil Oil
Species: *Ocimum basilicum*
Origin: Egypt

ID	FID%
PINENE<ALPHA->	0.44%
SABINENE	0.42%
PINENE<BETA->	0.92%
MYRCENE	1.18%
LIMONENE	0.35%
1,8-CINEOLE	8.41%
OCIMENE<(E)-BETA->	1.13%
TERPINOLENE	0.18%
LINALOOL	54.31%
CAMPHOR	0.48%
1-BORNEOL	0.10%
ALPHA.-TERPINEOL	0.17%
TERPINEN-4-OL	0.21%
TERPINEOL<ALPHA->	0.74%
METHYL CHAVICOL	0.07%
OCTYL ACETATE	0.18%
GERANIOL	0.14%
BORNYL ACETATE	0.74%
EUGENOL	11.23%
COPAENE<ALPHA->	0.14%
BOURBONENE<BETA->	0.25%
ELEMENE<BETA->	1.63%

ID	FID%
CUBEBENE<ALPHA->	0.08%
METHYL EUGENOL	0.10%
CARYOPHYLLENE<E->	0.19%
BERGAMOTENE<ALPHA-CIS->	3.11%
GUAIENE<ALPHA->	0.54%
MUUROLA-3,5-DIENE<TRANS->	0.17%
HUMULENE<ALPHA->	0.52%
MUUROLA-4(14),5-DIENE<TRANS->	0.40%
ACORADIENE <BETA->	0.08%
GERMACRENE D	2.22%
FARNESENE<(E)-BETA->	0.23%
BICYCLOGERMACRENE	0.83%
BULNESENE<ALPHA->	0.95%
CADINENE<GAMMA->	1.58%
CALAMENENE<CIS->	0.34%
CUBENOL<1,10-DI-EPI->	0.32%
T-CADINOL	2.03%
CADINOL<ALPHA->	0.10%

The sample was analyzed with simultaneous MS and FID detection. Components were identified by MS while percentages were determined by the more accurate FID. The top 40 components, making up 97.23% of the oil, are listed here. The sample composition was that expected for natural oil of *Ocimum basilicum*. No adulteration or contamination was detected. Odor quality is excellent.