

## Certificate of Analysis - Neroli Oil

<b>Reference Name: Neroli oil, (True)</b>
<b>CAS: 8008-57-9</b>
<b>Botanical Species: Citrus aurantium</b>

ID	FID%
PELLANDRENE<ALPHA->	0.03%
PINENE<ALPHA->	0.76%
CAMPHENE	0.06%
sabinene	1.02%
PINENE<BETA->	11.45%
HEPTEN-2-ONE<6-METHYL-5->	0.03%
MYRCENE	2.01%
CARENE<DELTA-2->	0.11%
CYMENE<ORTHO->	0.06%
LIMONENE	15.38%
OCIMENE<(Z)-BETA->	0.73%
OCIMENE<(E)-BETA->	6.87%
TERPINENE<GAMMA->	0.18%
LINALOOL OXIDE<CIS->	0.12%
TERPINOLENE	0.43%
LINALOOL	43.59%
(E)-4,8-Dimethyl-1,3,7-nonatriene	0.05%
OCIMENE<ALLO->	0.03%
Benzeneacetonitrile	0.05%
TERPINEN-4-OL	0.32%
TERPINEOL<ALPHA->	3.65%
NEROL	0.89%
NERAL	0.02%

ID	FID%
geraniol	2.36%
linalyl acetate	2.27%
GERANIAL	0.04%
BORNYL ACETATE	0.02%
INDOLE	0.05%
ELEMENE<DELTA->	0.07%
ANTHRANILATE <METHYL->	0.09%
NERYL ACETATE	1.28%
GERANYL ACETATE	2.46%
ELEMENE<BETA->	0.04%
CIS-JASMONE	0.02%
BETA-CARYOPHYLLENE	0.48%
GERANYL ACETONE	0.04%
FARNESENE<(E)-BETA->	0.11%
GERMACRENE D	0.08%
BICYCLOGERMACRENE	0.14%
E,E-.ALPHA.-FARNESENE	0.05%
COPAENE<ALPHA->	0.03%
GERMACRENE B	0.01%
NEROLIDOL<E->	1.34%
Farnesol	0.88%
trans, trans-Farnesal	0.03%
FARNESYL ACETATE ISOMER	0.04%

The sample was analyzed with simultaneous MS and FID detection with 99.77% of the components identified. The composition of the sample corresponds to that expected for natural neroli essential oil from Tunisia. No contamination or adulteration or pesticide residues were detected. Odor quality is excellent.