

Certificate of Analysis

Product: **Citrus aurantium amara organic 5411**

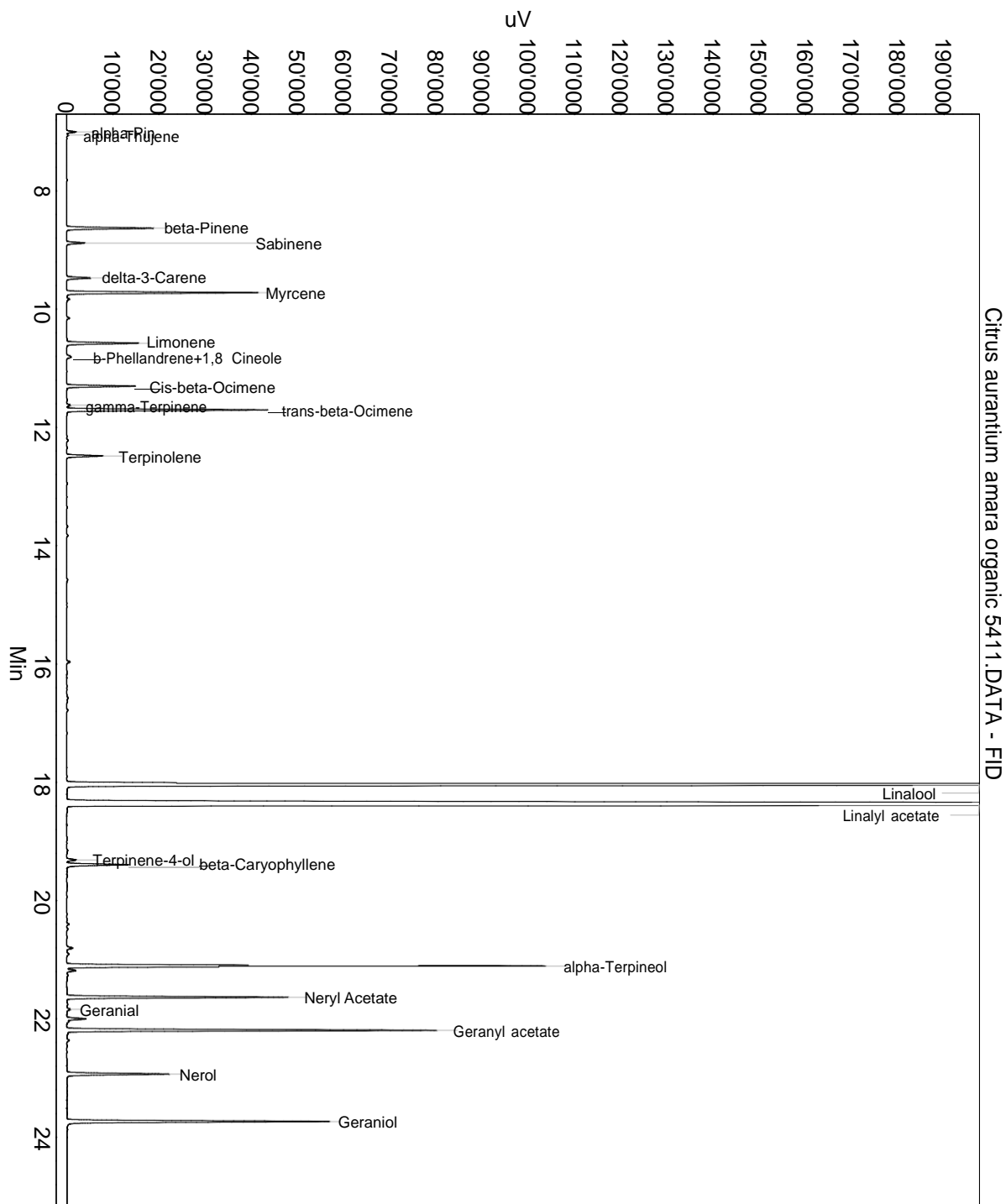
Lot: 5411

Date of analysis: 17.10.2019 19:50:52

System: GC-430 FID

Column: BGB Wax 60m / 0.25mm / 0.25um

Method: 180306 essential basis 60min



This data sheet was issued to the best of our knowledge and is supplied without warranty for its correctness or accuracy.

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| Index | Name | Time [Min] | Area [uV.Min] | Area % [%] | Allergene |
|-------|----------------------------|------------|---------------|------------|---------------------------------------|
| 1 | alpha-Pinene | 7.00 | 59.9 | 0.106 | |
| 2 | alpha-Thujene | 7.06 | 13.7 | 0.024 | |
| 3 | beta-Pinene | 8.63 | 570.6 | 1.009 | |
| 4 | Sabinene | 8.88 | 120.4 | 0.213 | |
| 5 | delta-3-Carene | 9.47 | 159.9 | 0.283 | |
| 6 | Myrcene | 9.72 | 1169.7 | 2.069 | |
| 7 | Limonene | 10.58 | 474.7 | 0.839 | Directive 2003/15EC (7th) |
| 8 | b-Phellandrene+1,8 Cineole | 10.81 | 42.9 | 0.076 | |
| 9 | Cis-beta-Ocimene | 11.30 | 430.8 | 0.762 | |
| 10 | gamma-Terpinene | 11.62 | 26.1 | 0.046 | |
| 11 | trans-beta-Ocimene | 11.70 | 1259.1 | 2.227 | |
| 12 | Terpinolene | 12.48 | 243.1 | 0.430 | |
| 13 | Linalool | 18.04 | 11352.6 | 20.077 | Directive 2003/15EC (7th) |
| 14 | Linalyl acetate | 18.38 | 30378.7 | 53.724 | |
| 15 | Terpinene-4-ol | 19.31 | 66.9 | 0.118 | |
| 16 | beta-Caryophyllene | 19.39 | 426.8 | 0.755 | |
| 17 | | 20.80 | 44.8 | 0.079 | |
| 18 | alpha-Terpineol | 21.11 | 3229.4 | 5.711 | |
| 19 | | 21.19 | 64.9 | 0.115 | |
| 20 | Neryl Acetate | 21.64 | 1405.1 | 2.485 | |
| 21 | Geranial | 21.84 | 28.0 | 0.050 | (= Citral) Directive 2003/15EC (7th) |
| 22 | | 22.00 | 133.2 | 0.236 | |
| 23 | | 22.05 | 11.9 | 0.021 | |
| 24 | Geranyl acetate | 22.19 | 2353.5 | 4.162 | |
| 25 | Nerol | 22.93 | 688.2 | 1.217 | |
| 26 | Geraniol | 23.73 | 1755.2 | 3.104 | Directive 2003/15EC (7th) |
| 27 | | 27.03 | 35.2 | 0.062 | |
| | | | | | |
| | | | | | |
| Total | | | 56545.3 | 100.000 | |

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