

Certificate of Analysis

Product: **Origanum majorana 5671**

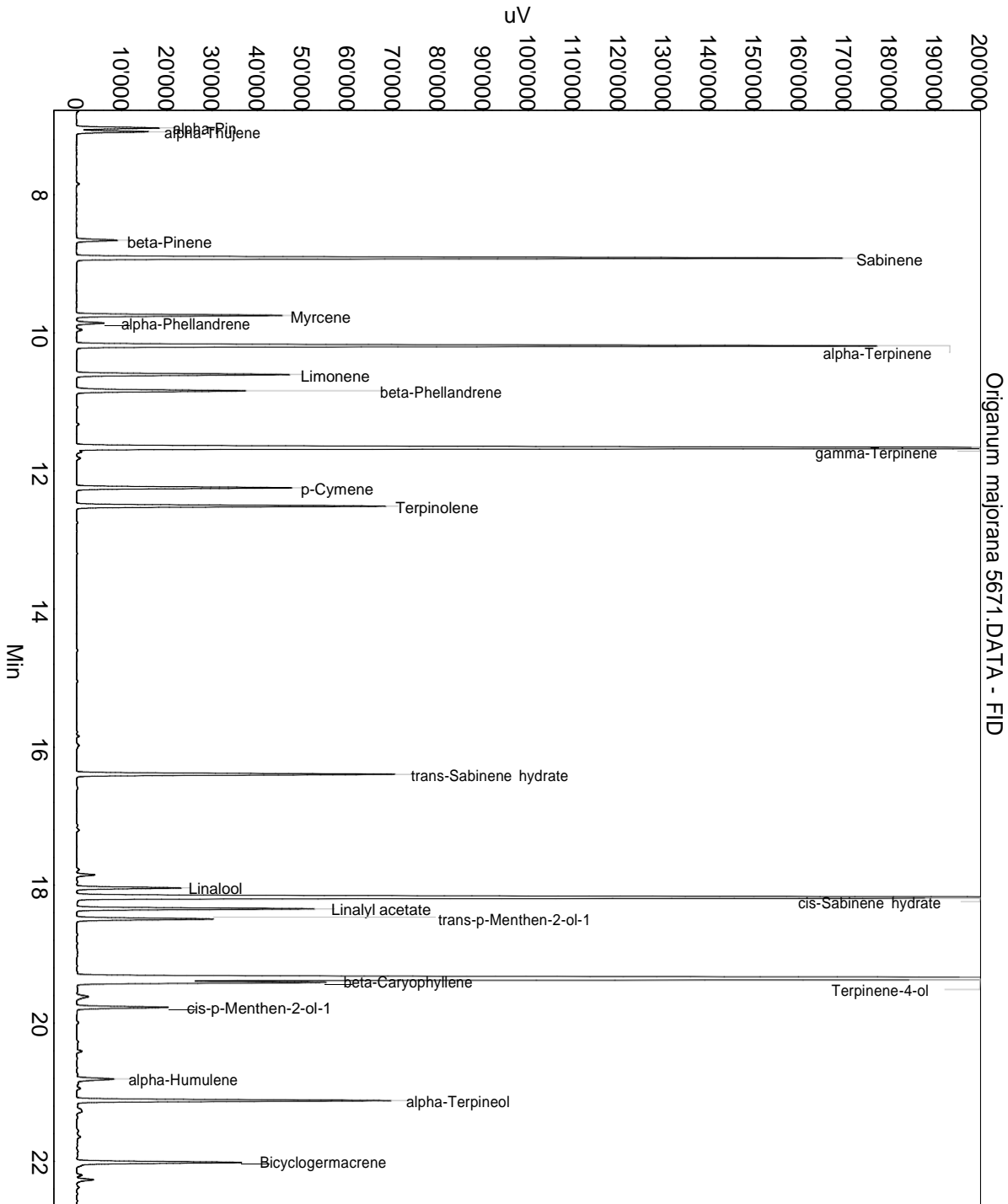
Lot: 5671

Date of analysis: 08.11.2019 19:06:05

System: GC-430 FID

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

Method: 180306 essential basis 60min



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| Index | Name | Time [Min] | Area [uV.Min] | Area % [%] | Allergene |
|-------|------------------------|------------|---------------|------------|---------------------------|
| 1 | alpha-Pinene | 7.03 | 512.0 | 0.754 | |
| 2 | alpha-Thujene | 7.09 | 440.1 | 0.648 | |
| 3 | beta-Pinene | 8.66 | 283.4 | 0.417 | |
| 4 | Sabinene | 8.92 | 5045.5 | 7.427 | |
| 5 | Myrcene | 9.75 | 1302.0 | 1.916 | |
| 6 | alpha-Phellandrene | 9.86 | 188.1 | 0.277 | |
| 7 | | 9.96 | 41.4 | 0.061 | |
| 8 | alpha-Terpinene | 10.19 | 5448.1 | 8.020 | |
| 9 | Limonene | 10.60 | 1426.6 | 2.100 | Directive 2003/15EC (7th) |
| 10 | beta-Phellandrene | 10.84 | 1201.5 | 1.769 | |
| 11 | gamma-Terpinene | 11.67 | 9618.1 | 14.158 | |
| 12 | | 11.82 | 31.6 | 0.047 | |
| 13 | p-Cymene | 12.24 | 1448.1 | 2.132 | |
| 14 | Terpinolene | 12.51 | 2084.9 | 3.069 | |
| 15 | trans-Sabinene hydrate | 16.39 | 2155.6 | 3.173 | |
| 16 | | 17.85 | 121.7 | 0.179 | |
| 17 | Linalool | 18.04 | 668.7 | 0.984 | Directive 2003/15EC (7th) |
| 18 | cis-Sabinene hydrate | 18.18 | 9391.2 | 13.824 | |
| 19 | Linalyl acetate | 18.34 | 1535.0 | 2.260 | |
| 20 | trans-p-Menthen-2-ol-1 | 18.49 | 949.6 | 1.398 | |
| 21 | Terpinene-4-ol | 19.36 | 17674.8 | 26.017 | |
| 22 | beta-Caryophyllene | 19.41 | 950.3 | 1.399 | |
| 23 | | 19.62 | 113.9 | 0.168 | |
| 24 | cis-p-Menthen-2-ol-1 | 19.77 | 632.6 | 0.931 | |
| 25 | | 20.41 | 35.3 | 0.052 | |
| 26 | alpha-Humulene | 20.81 | 313.0 | 0.461 | |
| 27 | | 20.94 | 28.1 | 0.041 | |
| 28 | alpha-Terpineol | 21.12 | 2166.8 | 3.190 | |
| 29 | | 21.28 | 72.1 | 0.106 | |
| 30 | Bicyclogermacrene | 22.02 | 1218.9 | 1.794 | |
| 31 | | 22.20 | 36.7 | 0.054 | |
| 32 | | 22.27 | 127.5 | 0.188 | |
| 33 | | 23.75 | 88.7 | 0.131 | |
| 34 | | 23.89 | 35.4 | 0.052 | |
| 35 | | 26.50 | 68.9 | 0.101 | |
| 36 | | 27.88 | 61.5 | 0.090 | |
| 37 | | 28.37 | 70.2 | 0.103 | |
| 38 | | 28.61 | 53.0 | 0.078 | |

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| Index | Name | Time [Min] | Area [uV.Min] | Area % [%] | Allergene |
|-------|------|---------------|------------------|---------------|-----------|
| 39 | | 28.90 | 33.5 | 0.049 | |
| 40 | | 29.22 | 138.4 | 0.204 | |
| 41 | | 29.46 | 63.1 | 0.093 | |
| 42 | | 30.41 | 59.3 | 0.087 | |
| | | | | | |
| Total | | | 67935.3 | 100.000 | |

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