

Certificate of Analysis

Product: **mentha spicata organic 2335**

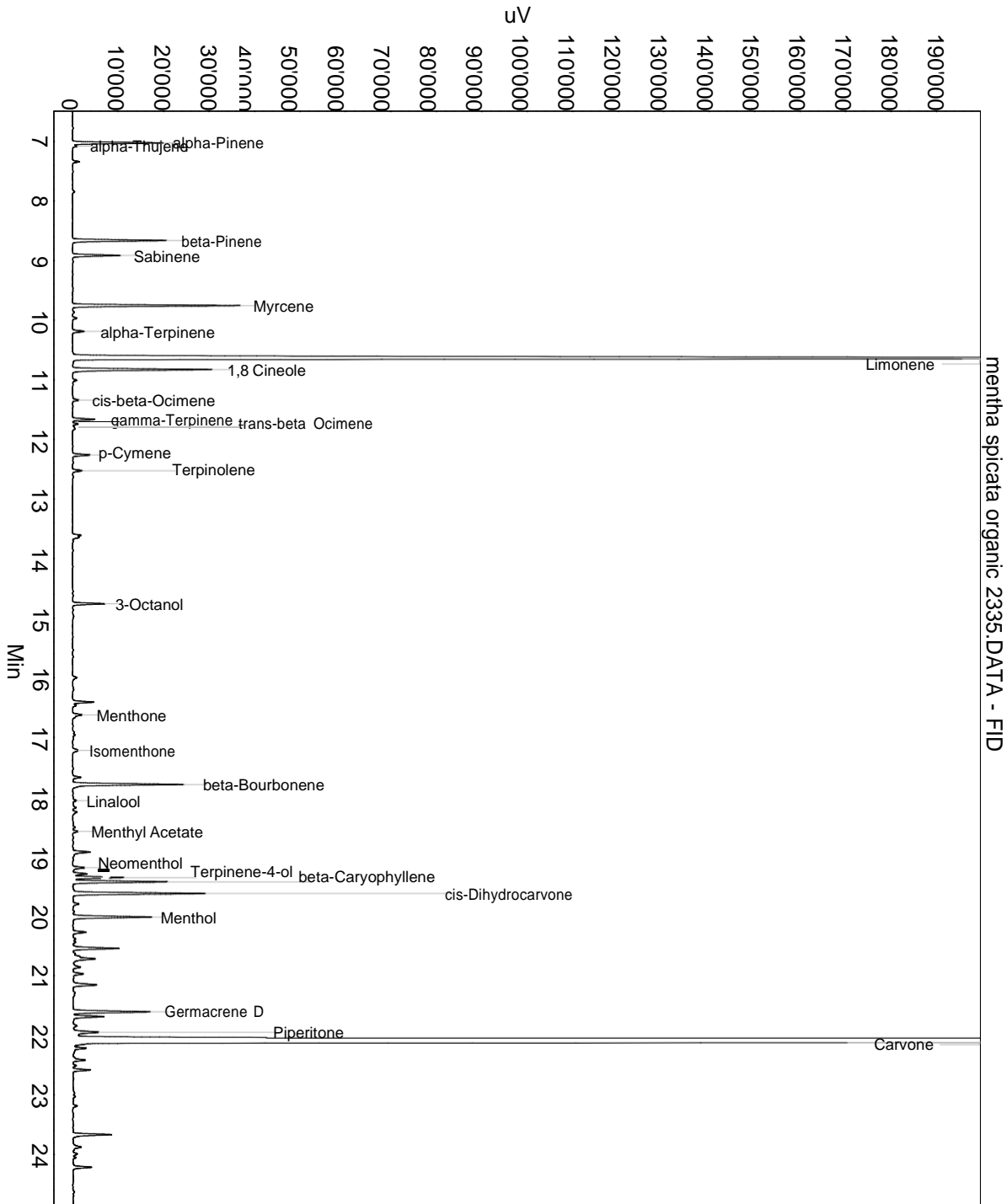
Lot: 2335

Date of analysis: 17.04.2018 05:07:40

System: GC-430 FID

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

Method: 121454 Menhta spicata organic



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| Index | Name | Time [Min] | Area [uV.Min] | Area % [%] | Allergene [max [%]] | Specification [%] |
|-------|--------------------|------------|---------------|------------|---------------------|-------------------|
| 1 | alpha-Pinene | 7.03 | 561.3 | 0.838 | | |
| 2 | alpha-Thujene | 7.08 | 28.8 | 0.043 | | |
| 3 | | 7.34 | 41.4 | 0.062 | | |
| 4 | beta-Pinene | 8.66 | 627.0 | 0.936 | | |
| 5 | Sabinene | 8.91 | 309.5 | 0.462 | | |
| 6 | Myrcene | 9.76 | 1047.4 | 1.564 | | |
| 7 | | 9.97 | 29.5 | 0.044 | | |
| 8 | alpha-Terpinene | 10.19 | 81.6 | 0.122 | | |
| 9 | Limonene | 10.64 | 12951.0 | 19.337 | 25.00 | 15-25 |
| 10 | 1,8 Cineole | 10.83 | 956.1 | 1.428 | | |
| 11 | | 11.01 | 29.4 | 0.044 | | |
| 12 | cis-beta-Ocimene | 11.34 | 42.6 | 0.064 | | |
| 13 | gamma-Terpinene | 11.66 | 149.7 | 0.223 | | |
| 14 | trans-beta Ocimene | 11.74 | 35.6 | 0.053 | | |
| 15 | | 11.82 | 27.8 | 0.042 | | |
| 16 | p-Cymene | 12.26 | 117.9 | 0.176 | | |
| 17 | Terpinolene | 12.53 | 68.1 | 0.102 | | |
| 18 | | 13.61 | 54.6 | 0.082 | | |
| 19 | | 13.64 | 50.9 | 0.076 | | |
| 20 | 3-Octanol | 14.76 | 208.1 | 0.311 | | |
| 21 | | 16.00 | 38.8 | 0.058 | | |
| 22 | | 16.41 | 139.5 | 0.208 | | |
| 23 | Menthone | 16.62 | 72.4 | 0.108 | | |
| 24 | Isomenthone | 17.22 | 57.7 | 0.086 | | |
| 25 | | 17.67 | 64.1 | 0.096 | | |
| 26 | beta-Bourbonene | 17.79 | 774.0 | 1.156 | | |
| 27 | Linalool | 18.06 | 29.0 | 0.043 | 0.50 | |
| 28 | | 18.26 | 36.9 | 0.055 | | |
| 29 | Menthyl Acetate | 18.58 | 36.8 | 0.055 | | |
| 30 | | 18.93 | 143.8 | 0.215 | | |
| 31 | Neomenthol | 19.19 | 94.1 | 0.141 | | |
| 32 | | 19.29 | 102.4 | 0.153 | | |
| 33 | Terpinene-4-ol | 19.35 | 354.0 | 0.529 | | |
| 34 | beta-Caryophyllene | 19.43 | 672.4 | 1.004 | | |
| 35 | cis-Dihydrocarvone | 19.62 | 956.4 | 1.428 | | |
| 36 | | 19.80 | 55.2 | 0.082 | | |
| 37 | Menthol | 20.02 | 587.5 | 0.877 | | |
| 38 | | 20.27 | 96.8 | 0.145 | | |

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|-------|--------------|------------|---------------|------------|---------------------|-------------------|
| 39 | | 20.54 | 343.9 | 0.513 | | |
| 40 | | 20.69 | 58.3 | 0.087 | | |
| 41 | | 20.72 | 197.3 | 0.295 | | |
| 42 | | 20.86 | 67.3 | 0.100 | | |
| 43 | | 20.97 | 78.1 | 0.117 | | |
| 44 | | 21.16 | 201.6 | 0.301 | | |
| 45 | Germacrene D | 21.61 | 582.3 | 0.869 | | |
| 46 | | 21.69 | 228.6 | 0.341 | | |
| 47 | | 21.84 | 36.0 | 0.054 | | |
| 48 | Piperitone | 21.95 | 250.7 | 0.374 | | |
| 49 | Carvone | 22.11 | 41957.2 | 62.647 | | 55-75 |
| 50 | | 22.22 | 114.2 | 0.171 | | |
| 51 | | 22.42 | 98.5 | 0.147 | | |
| 52 | | 22.58 | 119.4 | 0.178 | | |
| 53 | | 23.19 | 32.5 | 0.049 | | |
| 54 | | 23.67 | 291.7 | 0.436 | | |
| 55 | | 23.88 | 91.4 | 0.136 | | |
| 56 | | 23.99 | 38.2 | 0.057 | | |
| 57 | | 24.22 | 140.9 | 0.210 | | |
| 58 | | 25.73 | 97.9 | 0.146 | | |
| 59 | | 26.02 | 91.7 | 0.137 | | |
| 60 | | 26.53 | 62.3 | 0.093 | | |
| 61 | Viridiflorol | 28.03 | 63.6 | 0.095 | | |
| | | | | | | |
| Total | | | 66973.7 | 100.000 | | |

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