



## Gas Chromatography Analysis

Dear Customer,

Attached you will find the results of gas chromatographic analysis based on the information provided by our Producer/Laboratory for:

**Sample Reference** **1060**

We testify that the Chromatographic Analysis (GC) for the mentioned sample is identical with:

|                        |                              |
|------------------------|------------------------------|
| <b>Product No.:</b>    | <b>1060</b>                  |
| <b>Product Name:</b>   | <b>Angelica Root organic</b> |
| <b>Botanical Name:</b> | <b>Angelica archangelica</b> |
| <b>Batch No.:</b>      | <b>1019006</b>               |

Bühl, 2019-04-10

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Dr. David Nayan

| N° CAS     | Nom des composés   | %       |
|------------|--|---------|
| 138-86-3   | Limonène   | 7.844   |
| 100-51-6   | Alcool Benzylque   | < 0.050 |
| 78-70-6    | Linalol  | < 0.050 |
| 111-12-6   | Oct-2-ynoate de Méthyle                                      | < 0.050 |
| 106-22-9   | Citronellol  | < 0.050 |
| 5392-40-5  | Citral (Néral)   | < 0.050 |
| 106-24-1   | Géranol  | < 0.050 |
| 104-55-2   | (E)-Cinnamaldéhyde   | < 0.050 |
| 5392-40-5  | Citral (Géranial)  | < 0.050 |
| 105-13-5   | Alcool-para-Anisyl   | < 0.050 |
| 107-75-5   | 7-Hydroxycitronellal   | < 0.050 |
| 104-54-1   | Alcool-(E)-Cinnamyl  | < 0.050 |
| 97-53-0    | Eugénol  | < 0.050 |
| 91-64-5    | Coumarine  | < 0.050 |
| 97-54-1    | (E)-Isoeugénol   | < 0.050 |
| 127-51-5   | Alpha-Isométhyl-Ionone                                       | < 0.050 |
| 80-54-6    | Lilial <sup>®</sup>  | < 0.050 |
| 101-85-9   | Alcool-(Z)-Alpha-Amyl-Cinnamyl                               | < 0.050 |
| 31906-04-4 | Lyril <sup>®</sup>   | < 0.050 |
| 122-40-7   | Alpha-Amyl-Cinnamaldehyde                                    | < 0.050 |
| 4602-84-0  | Farnésols (Somme des 4 isomères)                             | < 0.050 |
| 4707-47-5  | Evernia furfuracea-prunastri exprimés en Atratate de Méthyle | < 0.050 |
| 101-86-0   | (Z)-Alpha-Hexyl-Cinnamaldéhyde                               | < 0.050 |
| 120-51-4   | Benzoate de Benzyle  | < 0.050 |
| 118-58-1   | Salicylate de Benzyle  | < 0.050 |
| 103-41-3   | Cinnamate de Benzyle   | < 0.050 |

| Tr    | Composés            | % Fid  |
|-------|---------------------|--------|
| 6.36  | Toluène             | 0.023  |
| 11.75 | Tricyclène          | 0.020  |
| 11.87 | Alpha-Thujène       | 0.782  |
| 12.21 | Alpha-Pinène        | 26.500 |
| 12.79 | Camphène            | 1.330  |
| 12.92 | Thuja-2,4(10)-Diène | 0.301  |
| 13.62 | Sabinène            | 3.853  |
| 13.82 | Béta-Pinène         | 1.260  |
| 14.18 | Myrcène             | 5.250  |
| 14.56 | Delta-2-Carène      | 0.169  |
| 14.86 | Alpha-Phellandrène  | 9.463  |
| 14.95 | Delta-3-Carène      | 17.037 |
| 15.20 | Alpha-Terpinène     | 0.977  |
| 15.48 | Para-Cymène         | 1.765  |
| 15.67 | Limonène            | 7.844  |
| 15.75 | Béta-Phellandrène   | 10.053 |
| 15.81 | (Z)-Béta-Ocimène    | 1.826  |
| 16.19 | (E)-Béta-Ocimène    | 4.617  |

| Tr    | Composés                    | % Fid  |
|-------|-----------------------------|--------|
| 16.64 | Gamma-Terpinène             | 1.702  |
| 17.42 | Terpinolène Isomère         | 0.653  |
| 17.56 | Terpinolène                 | 1.154  |
| 17.74 | Para-Cyménène               | 0.052  |
| 18.90 | Cis-Para Menth-2-ène-1-ol   | 0.217  |
| 19.47 | Trans-Para Menth-2-ène-1-ol | 0.086  |
| 20.40 | Pentyl-Cyclohexa-1,3-diène  | 0.127  |
| 20.69 | Terpinène-4-ol              | 0.558  |
| 21.17 | Alpha-Terpéineol            | 0.108  |
| 23.73 | Acétate de Bornyle          | 0.585  |
| 26.21 | Cyclosativène               | 0.061  |
| 26.34 | Alpha-Copaène               | 0.354  |
| 26.67 | Béta-Elémène                | 0.061  |
| 27.57 | Béta-Caryophyllène          | 0.066  |
| 28.51 | Alpha-Humulène              | 0.235  |
| 29.14 | Germacrène-D                | 0.029  |
| 29.51 | Alpha-Muuroolène            | 0.020  |
|       | Total                       | 99.138 |