



## 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**

**1515**

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

**Product No.:**

**1515**

**Product Name:**

**Gingergrass**

**Botanical Name:**

**Cymbopogon m. (Sofia)**

**Batch No.:**

**1016029**

Bühl, 2019-04-11

Ayus GmbH  
Am Dreschschopf 1 D-77815 Bühl/Moos  
Tel.: +49-(0)7227-60099-0 Fax: +49-(0)7227-60099-99  
E-Mail: info@oshadhi.eu Web: www.oshadhi.eu

Dr. David Nayan

| Rt    | Components              | % Fid  |
|-------|-------------------------|--------|
| 11.82 | Alpha-Thujène           | 5.358  |
| 12.22 | Alpha-Pinène            | 5.113  |
| 12.92 | Camphène                | 22.993 |
| 13.66 | Sabinène                | 0.257  |
| 13.86 | Béta-Pinène             | 0.106  |
| 14.21 | Myrcène                 | 0.742  |
| 14.87 | Alpha-Phellandréne      | 0.062  |
| 15.24 | Alpha-Terpinène         | 0.058  |
| 15.55 | Para-Cymène             | 0.413  |
| 15.74 | Limonène                | 9.391  |
| 15.80 | Béta-Phellandréne       | 0.374  |
| 15.86 | (Z)-Béta-Ocimène        | 1.056  |
| 16.23 | (E)-Béta-Ocimène        | 0.544  |
| 16.68 | Gamma-Terpinène         | 0.087  |
| 17.13 | Cis-Hydrate de Sabinène | 0.153  |
| 17.62 | Terpinolène             | 0.690  |
| 18.10 | Linalol                 | 0.963  |
| 19.75 | Camphre                 | 1.152  |
| 20.05 | Camphène-Hydrate        | 0.247  |
| 20.63 | Bornéol                 | 6.080  |
| 20.80 | Terpinène-4-ol          | 0.969  |
| 21.25 | Alpha-Terpinéol         | 0.999  |

| Rt    | Components             | % Fid |
|-------|------------------------|-------|
| 30.68 | Elémicine              | 4.282 |
| 30.88 | Elémol                 | 0.262 |
| 31.06 | (E)-Nérolidol          | 2.081 |
| 31.82 | Oxyde de Caryophyllène | 1.396 |

| Rt    | Components                | % Fid |
|-------|---------------------------|-------|
| 22.68 | Carvone                   | 0.406 |
| 22.79 | Géranol                   | 2.859 |
| 23.28 | Géranial                  | 0.265 |
| 23.84 | Acétate de Bornyle        | 3.990 |
| 23.92 | Acétate d'isobornyle      | 0.065 |
| 25.53 | Acétate d'Alpha-Terpinyle | 0.788 |
| 26.31 | Acétate de géranyle       | 7.695 |
| 26.43 | Alpha-Copaène             | 0.218 |
| 26.68 | Béta-Bourbonène           | 0.205 |
| 26.77 | Béta-Elémène              | 0.611 |
| 27.69 | Béta-Caryophyllène        | 2.217 |
| 27.96 | Béta-Copaène              | 0.220 |
| 28.61 | Alpha-Humulène            | 0.307 |
| 28.95 | Trans-Cadina-1(6),4-Diène | 0.195 |
| 29.02 | Gamma-Murolène            | 0.203 |
| 29.13 | Alpha-Amorphène           | 0.080 |
| 29.24 | Germacrène-D              | 0.331 |
| 29.61 | Alpha-Murolène            | 0.342 |
| 30.01 | Gamma-Cadinène            | 0.280 |
| 30.10 | Delta-Cadinène            | 1.559 |
| 30.21 | Zonarène                  | 0.341 |
| 30.48 | Trans-Cadina-1,4-Diène    | 0.239 |

| Rt    | Components          | % Fid  |
|-------|---------------------|--------|
| 32.57 | 1,10-Di-Epi-Cubénol | 2.439  |
| 32.82 | 1-Epi-Cubénol       | 0.159  |
|       | Total               | 91.842 |