



## 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** **2300**

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

|                        |                        |
|------------------------|------------------------|
| <b>Product No.:</b>    | <b>2300</b>            |
| <b>Product Name:</b>   | <b>Orange sweet</b>    |
| <b>Botanical Name:</b> | <b>Citrus sinensis</b> |
| <b>Batch No.:</b>      | <b>1018899</b>         |

Bühl, 2019-02-06



Dr. David Nayan

**Chromatographic analysis by GC/FID**

| Rt    | # CAS      | Compounds               | Fid %  |
|-------|------------|-------------------------|--------|
| 11.72 | 2867-05-2  | alpha Thujène           | 0.003  |
| 12.01 | 80-56-8    | Alpha-Pinène            | 0.495  |
| 12.64 | 79-92-5    | Camphène                | 0.002  |
| 13.46 | 3387-41-5  | Sabinène                | 0.223  |
| 13.65 | 127-91-3   | Béta-Pinène             | 0.019  |
| 14.02 | 123-35-3   | Myrcène                 | 1.643  |
| 14.51 | 124-13-0   | n-Octanal               | 0.190  |
| 14.67 | 99-83-2    | Alpha-Phellandréne      | 0.004  |
| 14.75 | 13466-78-9 | Delta-3-Carène          | 0.108  |
| 15.63 | 138-86-3   | Limonène                | 94.805 |
| 15.72 | 555-10-2   | Béta-Phellandréne       | 0.191  |
| 16.04 | 3779-61-1  | (E)-Béta-Ocimène        | 0.007  |
| 16.48 | 99-85-4    | Gamma-Terpinène         | 0.003  |
| 17.40 | 586-62-9   | Terpinolène             | 0.008  |
| 17.83 | 78-70-6    | Linalol                 | 0.349  |
| 17.98 | 124-19-6   | n-Nonanal               | 0.031  |
| 18.96 | 13837-75-7 | Cis-Oxyde de Limonène   | 0.225  |
| 19.10 | 4959-35-7  | Trans-Oxyde de Limonène | 0.181  |
| 19.50 | 106-23-0   | Citronellal             | 0.032  |
| 20.93 | 98-55-5    | Alpha-Terpinéol         | 0.047  |
| 21.17 | 112-31-2   | n-Décanal               | 0.156  |
| 22.15 | 106-26-3   | Néral                   | 0.033  |
| 22.40 | 99-49-0    | Carvone                 | 0.114  |
| 22.99 | 141-27-5   | Géranial                | 0.056  |

| Rt    | # CAS      | Compounds          | Fid %  |
|-------|------------|--------------------|--------|
| 23.35 | 2111-75-3  | Perilla aldéhyde   | 0.024  |
| 24.13 | 112-44-7   | Undécanal          | 0.104  |
| 26.18 | 3856-25-5  | Alpha-Copaène      | 0.021  |
| 26.48 | 13744-15-5 | Béta-Cubébène      | 0.025  |
| 26.90 | 112-54-9   | Dodécanal          | 0.029  |
| 27.40 | 87-44-5    | Béta-Caryophyllène | 0.009  |
| 27.64 | 18252-44-3 | Béta-Copaène       | 0.021  |
| 28.02 | 28973-97-9 | (Z)-Béta-Farnésène | 0.004  |
| 28.96 | 23986-74-5 | Germacrène D       | 0.004  |
| 29.25 | 4630-07-3  | Valencène          | 0.019  |
| 29.81 | 483-76-1   | Delta-Cadinène     | 0.017  |
| 33.87 | 60066-88-8 | Béta-Sinensal      | 0.010  |
| Total |            |                    | 99.212 |