



## 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**                      **2769**

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

|                        |                          |
|------------------------|--------------------------|
| <b>Product No.:</b>    | <b>2769</b>              |
| <b>Product Name:</b>   | <b>Fir (Hemlock Fir)</b> |
| <b>Botanical Name:</b> | <b>Tsuga canadensis</b>  |
| <b>Batch No.:</b>      | <b>1030373</b>           |

Bühl, 2021-04-16

| Rt    | # CAS      | Compounds                  | Fid %  |
|-------|------------|----------------------------|--------|
| 9.02  | 529-16-8   | Santène                    | 0.213  |
| 10.56 | 508-32-7   | Tricyclène                 | 0.507  |
| 10.68 | 2867-05-2  | Alpha-Thujène              | 0.099  |
| 11.04 | 80-56-8    | Alpha-Pinène               | 20.145 |
| 11.57 | 471-84-1   | Fenchène                   | 0.047  |
| 11.66 | 79-92-5    | Camphène                   | 7.130  |
| 11.79 | 36262-09-6 | Thuja-2,4(10)-diène        | 0.050  |
| 12.48 | 3387-41-5  | Sabinène                   | 0.244  |
| 12.75 | 127-91-3   | Béta-Pinène                | 26.218 |
| 13.06 | 123-35-3   | Myrcène                    | 5.146  |
| 13.73 | 99-83-2    | Alpha-Phellandrène         | 0.222  |
| 13.77 | 13466-78-9 | Delta-3-Carène             | 3.971  |
| 14.08 | 99-86-5    | Alpha-Terpinène            | 0.105  |
| 14.42 | 99-87-6    | Para-Cymène                | 0.334  |
| 14.56 | 138-86-3   | Limonène                   | 10.249 |
| 14.64 | 555-10-2   | Béta-Phéllandrène          | 2.419  |
| 14.68 | 470-82-6   | Eucalyptol                 | 0.461  |
| 14.76 | 3338-55-4  | (Z)-Béta-Ocimène           | 0.062  |
| 15.53 | 99-85-4    | Gamma-Terpinène            | 0.188  |
| 16.44 | 586-62-9   | Terpinolène                | 0.693  |
| 16.99 | 78-70-6    | Linalol                    | 0.129  |
| 18.49 | -          | Monoterpène Oxygéné MW 152 | 0.130  |

| Rt    | # CAS      | Compounds            | Fid %   |
|-------|------------|----------------------|---------|
| 18.72 | 76-22-2    | Camphre              | 8.703   |
| 18.95 | 64474-11-9 | Hydrate de Camphène  | 0.287   |
| 19.14 | 16812-40-1 | Pinocarvone          | 0.012   |
| 19.49 | 507-70-0   | Bornéol              | 0.919   |
| 19.67 | 562-74-3   | Terpinène-4-ol       | 0.312   |
| 19.98 | 500-02-7   | Cryptone             | 0.051   |
| 20.16 | 98-55-5    | Alpha-Terpinéol      | 0.811   |
| 20.57 | 80-57-9    | Verbénone            | 0.028   |
| 21.01 | 1076-56-8  | Thymol Méthyl-éther  | 0.139   |
| 21.93 | 89-81-6    | Pipéritone           | 0.329   |
| 22.68 | 76-49-3    | Acétate de Bornyle   | 7.153   |
| 22.76 | 125-12-2   | Acétate d'Isobornyle | 0.063   |
| 24.52 | 5989-08-2  | Alpha-Longipinène    | 0.053   |
| 25.17 | 3856-25-5  | Alpha-Copaène        | 0.037   |
| 25.52 | 515-13-9   | Béta-Elémène         | 0.069   |
| 25.77 | 73-15-2    | Methyl Eugénol       | < 0.010 |
| 26.22 | 475-20-7   | Longifolène          | 0.246   |
| 26.42 | 87-44-5    | Béta-Caryophyllène   | 0.200   |
| 27.37 | 6753-98-6  | Alpha-Humulène       | 0.152   |
| 28.24 | 21747-46-6 | Viridiflorène        | 0.053   |
| 28.38 | 31983-22-9 | Alpha-Murolène       | 0.231   |
| 28.79 | 39029-41-9 | Gamma-Cadinène       | 0.134   |
| 28.86 | 483-76-1   | Delta-Cadinène       | 0.423   |
| 29.01 | 72937-55-4 | Cis-Calaménène       | 0.062   |
| Total |            |                      | 99.229  |

The sample contains no known artificial compound.