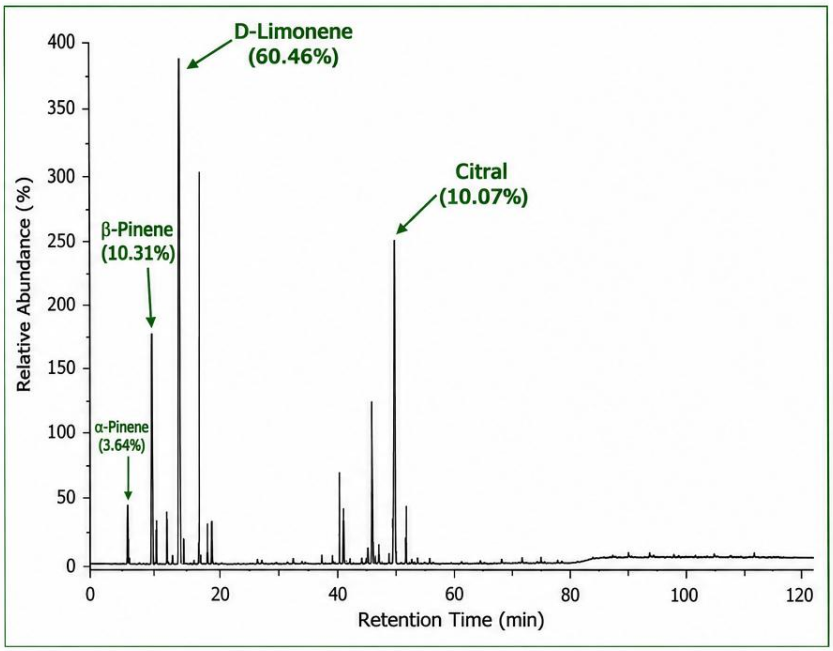
Botanic Planet®
Botanic Planet Canada Inc.

# GC–MS Analysis & Composition

## Lemon 5 Fold Essential Oil *(Citrus limon)*




| Analysis Method | : | Gas Chromatography – Mass Spectrometry (GC–MS) |
|---|---|---|
| Sample | : | Lemon 5 Fold Essential Oil |
| Botanical Source | : | *Citrus limon* |

**Chemical Composition (GC–MS)**

| No. | Compound | Retention Time (min) | Area % |
|---|---|---|---|
| 1 | α-Pinene | 7.98 | 3.64 |
| 2 | β-Pinene | 11.40 | 10.31 |
| 3 | Myrcene | 12.72 | 2.18 |
| **4** | **D-Limonene** | **15.21** | **60.46** |
| 5 | 1,8-Cineole | 17.46 | 0.42 |
| 6 | γ-Terpinene | 18.33 | 1.36 |
| 7 | Terpinolene | 24.89 | 0.37 |
| 8 | Linalool | 37.62 | 0.75 |
| 9 | Citronellal | 41.09 | 0.89 |
| 10 | Neral (Citral, cis) | 44.76 | 3.29 |
| 11 | Geranial (Citral, trans) | 47.33 | 6.78 |
| **12** | **Citral (Neral + Geranial)** | **—** | **10.07** |
| 13 | Other identified constituents | — | 14.60 |
| 14 | Unidentified / Trace compounds | — | 2.24 |
| | **Total** | | **100.00 %** |

### Key Composition (by GC–MS)

- D-Limonene : 60.46 %
- Citral (Neral + Geranial) : 10.07 %
- β-Pinene : 10.31 %
- α-Pinene : 3.64 %
- Other constituents : 15.52 %

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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