



GC-MS Analysis

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|-------------------------|--|-----------|------|-----------------|-----------------------|
| Product Name | Oregano Es.Oil | | | | |
| Product Type | Essential oil | | | | |
| Botanical Name | <i>Origanum vulgare</i> | | | | |
| Batch N° | O2021001B | | | | |
| Label name | GREEK OREGANO ORGANIC ESSENTIAL OIL | | | | |
| Density at 20°C | 0.9632 | | | | |
| Refractive Index | 1.505 | | | | |
| Optical rotation | 0.17° | | | | |
| Cultivation | Certified Organic | | | | |
| Production Date | August 2019 | | | | |
| Shelf Life | 5 years | | | | |
| Origin | Greece | | | | |
| Production | Steam Distillation | | | | |
| Plant Part | Aerial parts of flowering plant | | | | |
| Time | Compounds | CAS N° | % | Chemical Family | IFRA 49th Restriction |
| 13.62 | Alpha-Pinene | 80-56-8 | 0.23 | Monoterpene | |
| 13.84 | Alpha-Thujene | 2867-05-2 | 0.23 | Monoterpene | |
| 22.80 | Beta-Myrcene | 123-35-3 | 0.96 | Monoterpene | |
| 24.01 | Alpha-Terpinene | 99-86-5 | 0.72 | Monoterpene | |
| 25.5 | Limonene | 138-86-3 | 0.08 | Monoterpene | Cosmetic Allergen |
| 26.16 | Gamma-Terpinene | 99-85-4 | 3.40 | Monoterpene | |

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vessel
essential oils

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|-------|---|----------------------|-------|----------------------|
| 30.61 | Para-Cymene | 99-87-6 | 4.90 | Monoterpene |
| 50.65 | Linalool | 78-70-6 | 0.10 | Monoterpenic alcohol |
| 57.84 | Trans-Beta Caryophyllene/ Terpinen-4-ol | 87-44-5/ 562-74-3 | 1.93 | Monoterpenic alcohol |
| 84.09 | Thymol | 89-83-8 | 1.79 | Monoterpenic phenol |
| 85.46 | Carvacrol | 499-75-2 | 83.40 | Monoterpenic phenol |
| Total | | | 96.74 | |

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