



| GC-MS Analysis | | | | | |
|--|--------------------|--------------------------------------|-------|-----------------|-----------------------|
| Product Name | | Dill Seed Es.Oil | | | |
| Product Type | | Essential oil | | | |
| Botanical Name | | <i>Anethum graveolens, L.</i> | | | |
| Batch N° | | D2022001B | | | |
| Label name | | GREEK DILL ESSENTIAL OIL | | | |
| Refractive Index at 20°C | | 1.480 – 1500 | | | |
| Optical Rotation (°) | | +67/+87° | | | |
| Specific Gravity (g/mL) at 20°C | | 0.890 – 0.920 | | | |
| Production Date | | August 2022 | | | |
| Shelf Life | | 5 years | | | |
| Origin | | Greece | | | |
| Cultivation | | Conventional | | | |
| Production | | Steam Distillation | | | |
| Plant Part | | Seeds | | | |
| Time | Compounds | CAS N° | % | Chemical Family | IFRA 49th Restriction |
| 13.62 | Alpha-Pinene | 80-56-8 | 1.07 | Monoterpene | |
| 13.84 | Alpha-Thujene | 2867-05-2 | 0.21 | Monoterpene | |
| 19.86 | Sabinene | 3387-41-5 | 0.1 | Monoterpene | |
| 22.8 | Beta-Myrcene | 123-35-3 | 0.49 | Monoterpene | |
| 23.09 | Alpha-Phellandrene | 99-83-2 | 34.35 | Monoterpene | |
| 25.5 | Limonene | 5989-27-5 | 19.37 | Monoterpene | Cosmetic Allergen |

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vessel
essential oils

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|--------------|----------------------|------------|--------------|----------------------|--------------------------------|
| 26.16 | Beta-Phellandrene | 555-10-2 | 4.5 | Monoterpene | |
| 26.62 | 1,3,8-p-Menthatriene | 18368-95-1 | 0.32 | Monoterpene | |
| 30.61 | Para-Cymene | 99-87-6 | 1.25 | Monoterpene | |
| 31.61 | Decane | 124-18-5 | 0.1 | Monoterpene | |
| 48.6 | Dill Ether | 74410-10-9 | 5.73 | Ether | |
| 54.6 | Cis-Dihydrocarvone | 7764-50-3 | 1.17 | Monoterpenic ketone | |
| 55.88 | Trans-Dihydrocarvone | 5948-04-9 | 6.59 | Monoterpenic ketone | |
| 62.59 | Carvone | 99-49-0 | 22.49 | Monoterpenic ketone | Dermal Sens. and Systemic Tox. |
| 65.04 | Iso-Dihydrocarveol | 18675-35-9 | 0.13 | Monoterpenic alcohol | |
| 66.51 | Neois-Dihydrocarveol | 18675-34-8 | 0.26 | Monoterpenic alcohol | |
| Total | | | 98.13 | | |

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