

# CERTIFICATE OF ANALYSIS (C.O.A) batch: L-141090 2021/004



Gourmet Group Enterprises  
www.gourmetgroup.com  
E.Hatsiou 8, Siatista Kozanis 50300  
Greece

InstName : GCMS5975C  
Acq On : 19 JUL 2021 11:00  
Operator : mz  
Sample : 00002815  
Misc :  
ALS Vial : 3 Sample Multiplier: 1  
Unknown Spectrum: Apex

C:\Database\demo.1  
Minimum Quality: 40  
Minimum Quality: 0  
Batch: L 141090-2021 / 004

| <b>THE LAVENDER OIL(Lavandula angustifolia Mill.)SPECIFICATION</b> |   |
|--|---|
| <b>INFORMATION ON LAVENDER ESSENTIAL OIL</b>                       |   |
| Common Name  | Lavender oil                            |
| INCI Name  | Lavandula angustifolia                  |
| CAS N <sup>o</sup>   | 90063-37-9(EU)<br>8000-28-0(USA)        |
| Botanical Name   | Lavandula angustifolia Mill.            |
| Part of Plant Used   | Freshly cut flowering tops and stalks   |
| Country of Origin  | Greece                                  |
| Cultivated Herb  | Yes                                     |
| Natural Herb   | Yes                                     |
| Gathered Herb  | Yes                                     |
| Organic Certification  | Yes                                     |
| Fumigrants used  | N/A                                     |
| Method of manufacture  | Steam Distillation                      |
| MSDS   | Available Upon Request                  |
| Method of Analysis   | GC-Ms                                   |
| Seasonal Harvesting  | July                                    |
| Chemical Definition  | Essential Oil                           |
| Synonyms   | None                                    |
| <b>ORGANOLEPTIC PROPERTIES</b>                                     |   |
| Appearance   | Clear Liquid                            |
| Colour   | pale Yellow                             |
| Odour  | Characteristic,typical for Lavender     |
| <b>PHYSICO-CHEMICAL PROPERTIES</b>                                 |   |
| Miscibility in 75%(v/v) ethanol at 20°C                            | 1:2.                                    |
| Relative Density at 20°C   | 0.875 to 0.890                          |
| Refraction number at 20°C  | 1.4590 to 1.4630                        |
| Optical Rotation at 20°C   | (-6) <sub>D</sub> to (-11) <sub>D</sub> |
| Acid Value, mg KOH/g   | Not more than 1.0                       |

| <b>CONTENT OF MAIN COMPONENTS</b> | <b>%</b> |
|-----------------------------------|----------|
| Linalyl acetate                   | 33.04    |
| $\alpha$ -Thujene                 | 0.40     |
| Linalool                          | 29.63    |
| Camphene                          | 0.18     |
| $\beta$ -Ocimene                  | 7.33     |
| $\beta$ -Myrcene                  | 1.85     |
| Teprinene-4-ol                    | 3.94     |
| n-Hexyl acetate                   | 0.68     |
| $\beta$ -Caryophyllene            | 3.19     |
| n-Hexyl butanoate                 | 0.48     |
| $\beta$ -Farnesene                | 3.09     |
| Isooctanol                        | 0.08     |
| Eucalyptol                        | 1.43     |
| $\alpha$ -Humulene                | 0.06     |
| $\alpha$ -Terpineol               | 1.81     |
| Zingiberene                       | 0.06     |
| Borneol                           | 0.21     |
| Geraniol                          | 0.45     |
| Camphor                           | 0.24     |
| Neryl acetate                     | 0.75     |
| Limonene                          | 0.44     |
| Geraniol acetate                  | 1.34     |
| Octanone-3                        | 1.03     |
| $\alpha$ -Terpineol               | 1.81     |
| Cis- $\beta$ -Ocimene             | 7.33     |
| Germanene D                       | 0.32     |
| Trans- $\beta$ -Ocimene           | 3.70     |
| Lavandulol                        | 0.76     |
| Lavandulyl acetate                | 3.82     |

Expiry term: 5 (five) years from manufacture date in tightly closed original package. Store the product in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.

Application: In cosmetics, Perfumery and Aromatherapy.

In collaboration with:

ANALYSIS OF ESSENTIAL OILS



**ARISTOTLE UNIVERSITY OF THESSALONIKI**  
FACULTY OF HEALTH SCIENCES  
SCHOOL OF PHARMACY  
DEPARTMENT OF PHARMACOGNOSY-PHARMACOLOGY  
LABORATORY OF PHARMACOGNOSY  
541 24 THESSALONIKI

Lazari Diamanto, Associate Professor  
Director of Laboratory of Pharmacognosy  
Tel.: +30 2310 997617 (office), +30 6977 014405 (mobile)  
Fax: +30 2310 997662  
E-mail: dlazari@pharm.auth.gr

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Page 3 of 3