

## CERTIFICATE OF ANALYSIS

### 1) GENERAL INFORMATION

**Name:** Lavandin Oil (Turkish)  
**Batch No:** K220530132  
**Botanical Name:** Lavandula hybrida  
**INCI Name:** Lavandula Hybrida Herb Oil  
**Producing Date:** 1.08.2022  
**Expiry Date:** 1.08.2027

### 2) PHYSICAL PROPERTIES

**Appearance:** Liquid  
**Color:** Pale yellow  
**Odour:** Fresh, floral, herbal, camphoraceous  
**Relative density @ 25 °C** 0.880 to 0.910  
**Refractive index a@25 °C** 1.456 to 1.465  
**Optical rotation @25°C:** n/a  
**Flash point** > 75 °C

### **3) CHROMATOGRAPHIC VALUES OF THE VOLATILE COMPONENTS OF THE OIL (in %)**

| Components           | %            |
|----------------------|--------------|
| ethanol              | 0,62         |
| alpha pinene         | 0,17         |
| camphene             | 0,20         |
| beta pinene          | 0,16         |
| beta myrcene         | 1,39         |
| dl-limonene          | 0,74         |
| beta phellandrene    | 0,44         |
| 1,8-cineole          | 4,09         |
| delta 3 carene       | 2,47         |
| 3-octanone           | 0,70         |
| hexyl acetate        | 0,66         |
| alpha terpinolene    | 0,30         |
| 1-octen-3-yl acetate | 0,78         |
| linalool             | 42,19        |
| camphor              | 4,39         |
| linalyl acetate      | 25,38        |
| lavandulyl acetate   | 1,13         |
| terpinen 4-ol        | 0,40         |
| trans caryophyllene  | 1,07         |
| trans beta farnesene | 0,61         |
| ealpha terpineol     | 2,51         |
| endoborneol          | 2,47         |
| neryl acetate        | 0,63         |
| germacrene-D         | 0,28         |
| geranyl acetate      | 1,13         |
| nerol                | 0,44         |
| geraniol             | 1,21         |
| alpha bisabolol      | 0,44         |
| <b>Totally</b>       | <b>97,00</b> |