

# AKÖMA™

## FROM THE HEART

### CERTIFICATE OF ANALYSIS EVENING PRIMROSE OIL ORGANIC

#### DESCRIPTION

**PRODUCT:** EVENING PRIMROSE OIL ORGANIC, COLD PRESSED  
**INCI NAME:** OENOTHERA BIENNES  
**CAS No:** 90028-66-3  
**EINECS No:** 289-859-2  
**MANUFACTURING METHOD:** COLD PRESSED

#### CHARACTERISTICS

| ANALYTICAL DETAILS                       | RANGE %             | RESULT   |
|--|---------------------|----------|
| APPEARANCE                               | OILY LIQUID         | CONFORMS |
| ODOUR                                    | CHARACTERISTIC      | CONFORMS |
| COLOUR                                   | PALE YELLOW – GREEN | CONFORMS |
| REFRACTIVE INDEX @ 20°C                  | 1.476 – 1.482       | 1.478    |
| SPECIFIC GRAVITY @ 20°C                  | 0.920 – 0.932       | 0.923    |
| PEROXIDE VALUE (MEQ O <sub>2</sub> / KG) | <20.0               | 2.7      |
| IODINE VALUE                             | 125.0 – 165.0       | 157.0    |
| FREE FATTY ACID                          | <2.5                | CONFORMS |
| SAPONIFICATION VALUE                     | 180.0 – 199.0       | 188.0    |
| UNSAAPONIFIABLE MATTER                   | <2.5                | 1.0      |
| ACID VALUE                               | <4.0                | 1.0      |

| FATTY ACID PROFILE |                 |             |         |
|--------------------|-----------------|-------------|---------|
| C-CHAIN            | ACID NAME       | RANGE %     | RESULTS |
| C16:0              | PALMITIC        | 4.0 – 10.0  | 6.5     |
| C16:1              | PALMITOLEIC     | <0.5        | 0.1     |
| C18:0              | STEARIC         | 1.0 - 4.0   | 2.2     |
| C18:1              | OLEIC           | 5.0 – 12.0  | 7.0     |
| C18:2              | LINOLEIC        | 65.0 – 85.0 | 73.1    |
| C18:3              | GAMMA LINOLENIC | >9.0        | 9.0     |
| C20:0              | ARACHIDIC       | <1.0        | 0.25    |
| C22:0              | BEHENIC         | <0.5        | 0.16    |
| C20:1              | EICOSAENOIC     | <0.5        | 0.15    |

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|       |               |      |     |
|-------|---------------|------|-----|
| C22:2 | DOCOSADIENOIC | <0.2 | -   |
| C24:0 | LIGNOCERIC    | <1.0 | 0.2 |

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