

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **BORAGE SEED OIL 19% GLA, REFINED**

Bomar Batch: R0373 (LOT NUMBER: LOT0016070)

PRODUCT INCI: BORAGO OFFICINALIS SEED OIL

PRODUCT CODE: K0075

CAS NUMBER: 225234-12-8

EINECS NUMBER: 281-661-4

MANUFACTURING METHOD: EXPPELLER PRESSED, REFINED

MANUFACTURING DATE: 27/07/22

BEST BEFORE DATE: 27/07/24

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|--|----------------------|---------|
| APPEARANCE | OILY LIQUID | - |
| ODOUR | ODOURLESS | - |
| COLOUR | CLEAR - LIGHT YELLOW | - |
| COLOUR LOVIBOND (GARDNER) | < 7.0 | 1.11 |
| REFRACTIVE INDEX @ 20°C | 1.465 – 1.485 | 1.476 |
| SPECIFIC GRAVITY @ 20°C | 0.910 – 0.925 | 0.921 |
| PEROXIDE VALUE (MEQ O ₂ / KG) | <10.0 | 0.9 |
| ACID VALUE | <1.0 | 0.2 |
| SAPONIFICATION VALUE (MG KOH/GR) | 185.0 – 200.0 | 190.0 |
| UNSATURATED MATTER | <2.0 | 0.8 |
| ANISDINE VALUE | <10.0 | 5.3 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-----------------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 5.0 – 12.0 | 9.3 |
| C18:0 | STEARIC | 1.0 – 6.0 | 5.6 |
| C18:1 | OLEIC | 5.0 – 22.0 | 19.4 |
| C18:2 | LINOLEIC | 30.0 – 45.0 | 36.5 |
| C18:3 | GAMMA LINOLENIC | >19.0 | 19.0 |
| C20:0 | ARACHIDIC ACID | <0.5 | - |
| C20:1 | EICOSENOIC ACID | 2.5 – 5.0 | 4.4 |
| C22:1 | ERUCIC ACID | <3.0 | 2.6 |

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