

CERTIFICATE OF ANALYSIS

PRODUCT NAME: SAFFLOWER HIGH LINOLEIC OIL, REFINED

LOT NUMBER: **R0508 (LOT0016227)**

PRODUCT INCI: **CARTHAMUS TINCTORIUS SEED OIL**

PRODUCT CODE: **K0405**

CAS NUMBER: **8001-23-8**

EINECS NUMBER: **232-276-5**

MANUFACTURING METHOD: **EXPPELLER PRESSED & REFINED**

MANUFACTURING DATE: **17/08/22**

BEST BEFORE DATE: **17/08/24**

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|-------------------------|---------------|---------|
| APPEARANCE | OILY LIQUID | - |
| COLOUR | LIGHT YELLOW | - |
| ODOUR | ODOURLESS | - |
| SPECIFIC GRAVITY @ 20°C | 0.910 – 0.925 | 0.920 |
| REFRACTIVE INDEX @ 20°C | 1.470 – 1.480 | 1.476 |
| SAPONIFICATION VALUE | 185.0 – 195.0 | 191.8 |
| PEROXIDE VALUE | <10.0 | 0.2 |
| IODINE VALUE | 140 – 155 | 142.8 |
| ACID VALUE | <1.0 | 0.08 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-----------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 3.0 – 10.0 | 6.9 |
| C18:0 | STEARIC | 1.0 – 5.5 | 3.0 |
| C18:1 | OLEIC | 9.0 – 20.0 | 13.4 |
| C18:2 | LINOLEIC | 75.0 – 85.0 | 75.0 |

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