



THE OIL FAMILY

CERTIFICATE OF ANALYSIS

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| PRODUCT NAME: ARNICA, INFUSED IN SUNFLOWER OIL |
| LOT NUMBER: LOT0011366 |
| PRODUCT INCI: ARNICA MONTANA FLOWER EXTRACT & HELIANTHUS ANNUUS SEED OIL |
| PRODUCT CODE: K0037 |
| CAS NUMBER: 68990-11-4 & 8001-21-6 |
| EINECS NUMBER: 273-579-2 & 232-273-9 |
| MANUFACTURING METHOD: NATURAL HERB INFUSION |
| MANUFACTURING DATE: 16/04/2021 |
| BEST BEFORE DATE: 16/04/2023 |

| ANALYTICAL DETAILS | RANGE % | RESULT |
|--|-----------------|--------|
| APPEARANCE | OILY LIQUID | - |
| ODOUR | CHARACTERISTIC | - |
| COLOUR | YELLOW - GOLDEN | - |
| REFRACTIVE INDEX @ 20°C | 1.460 – 1.480 | 1.471 |
| SPECIFIC GRAVITY @ 20°C | 0.902 – 0.925 | 0.914 |
| PEROXIDE VALUE (MEQ O ₂ / KG) | <15.0 | 5.0 |
| FREE FATTY ACID | <1.0 | 0.15 |

| FATTY ACID PROFILE | | RANGE % | RESULT |
|--------------------|------------------|-------------|--------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 4.0 – 9.0 | 6.97 |
| C18:0 | STEARIC | <7.0 | 3.52 |
| C18:1 | OLEIC | 14.0 - 42.0 | 29.36 |
| C18:2 | LINOLEIC | 48.0 - 75.0 | 58.84 |
| C18:3 | LINOLENIC | <0.5 | - |

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