

CERTIFICATE OF ANALYSIS

PRODUCT NAME: WATERMELON SEED OIL, REFINED

LOT NUMBER: **R0476** (LOT0017594)

PRODUCT INCI: CITRULLUS LANATUS SEED OIL

PRODUCT CODE: K0482

CAS NUMBER: 90244-99-8

EINECS NUMBER: 290-802-9

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 23/01/23

BEST BEFORE DATE: 23/01/25

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|------------------------------|----------------------|-------------|
| APPEARANCE | OILY LIQUID | - |
| COLOUR | CLEAR – LIGHT YELLOW | - |
| ODOUR | ODOURLESS | - |
| COLOUR (LOVIBOND) | <30Y, 2.5R | 17.0Y, 1.1R |
| SPECIFIC GRAVITY @ 20°C | 0.915 – 0.930 | 0.921 |
| REFRACTIVE INDEX @ 20°C | 1.465 – 1.480 | 1.471 |
| SAPONIFICATION VALUE | 190.0 – 200.0 | 191.0 |
| FREE FATTY ACID (% AS OLEIC) | <0.5 | 0.1 |
| PEROXIDE VALUE | <10.0 | 1.3 |
| IODINE VALUE | 120.0 – 135.0 | 130.0 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-------------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 8.0 – 15.0 | 11.5 |
| C16:1 | PALMITOLEIC | <0.5 | 0.1 |
| C18:0 | STEARIC | 3.0 – 7.0 | 3.7 |
| C18:1 | OLEIC | 15.0 – 32.0 | 24.3 |
| C18:2 | LINOLEIC | 55.0 – 70.0 | 59.4 |
| C18:3 | LINOLENIC | <0.5 | 0.2 |

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