

CERTIFICATE OF ANALYSIS

PRODUCT NAME: GRAPESEED OIL, REFINED

LOT NUMBER: R0653 (LOT0015472)

PRODUCT INCI: VITIS VINIFERA SEED OIL

PRODUCT CODE: K0213

CAS NUMBER: 85594-37-2 / 84929-27-1 / 8024-22-4

EINECS NUMBER: 287-896-9 / 284-511-6

MANUFACTURING DATE: 24/04/2023

BEST BEFORE DATE: 24/04/2025

| ANALYTICAL DETAILS | RANGE % | RESULTS |
|------------------------------|--|----------|
| APPEARANCE | LIGHT YELLOW – LIGHT GREEN OILY LIQUID | - |
| ODOUR | ODOURLESS | - |
| COLOUR LOVBOND (5¼" CELL) | <5.0Y, <0.5R, <0.1B | CONFORMS |
| SPECIFIC GRAVITY @ 20°C | 0.910 – 0.925 | 0.921 |
| SAPONIFICATION VALUE | 187.0 – 200.0 | 190.0 |
| UNSATURATED MATTER | <1.5 | CONFORMS |
| FREE FATTY ACID (% AS OLEIC) | <1.0 | 0.05 |
| PEROXIDE VALUE | <5.0 | 2.7 |
| IODINE VALUE | 134.0 – 144.0 | 139.0 |
| ACID VALUE | <2.0 | 0.1 |
| REFRACTIVE INDEX | 1.473 – 1.477 | CONFORMS |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-------------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 5.0 – 9.0 | 7.0 |
| C16:1 | PALMITOLEIC | <0.5 | 0.1 |
| C18:0 | STEARIC | 3.0 - 6.0 | 3.9 |
| C18:1 | OLEIC | 15.0 – 28.0 | 26.9 |
| C18:2 | LINOLEIC | 60.0 – 75.0 | 60.4 |
| C18:3 | LINOLENIC | < 1.5 | 0.6 |
| C20:0 | ARACHIDIC | < 1.5 | - |
| C20:1 | GADOLEIC | < 1.0 | - |
| C22:0 | BEHENIC | < 1.0 | - |

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