

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: GRAPESEED OIL, REFINED**

**Bomar Batch: N12105** (supplier 0009076)

PRODUCT INCI: VITIS VINIFERA SEED OIL

PRODUCT CODE: K0213

CAS NUMBER: 8024-22-4

EINECS NUMBER: 284-511-6

MANUFACTURING METHOD: EXPELLER PRESSED & REFINED

MANUFACTURING DATE: 11/11/2020

BEST BEFORE DATE: 11/11/2022

| ANALYTICAL DETAILS           |  | RANGE % | RESULTS    |
|------------------------------|--|---------|------------|
| APPEARANCE                   | LIGHT YELLOW – LIGHT GREEN OILY LIQUID |         | -          |
| COLOUR LOVIBOND (5¼" CELL)   | <25Y, <2.5R                            |         | 8.0Y, 0.3R |
| ODOUR                        | ODOURLESS                              |         | -          |
| SPECIFIC GRAVITY @ 20°C      | 0.910 – 0.930                          |         | 0.918      |
| SAPONIFICATION VALUE         | 187 - 200                              |         | 185        |
| UNSATURATED MATTER           | <2.0                                   |         | 1.0        |
| FREE FATTY ACID (% AS OLEIC) | <1.0                                   |         | 0.08       |
| PEROXIDE VALUE               | <10.0                                  |         | 1.2        |
| IODINE VALUE                 | 134.0 – 146.0                          |         | 136.46     |
| ACID VALUE                   | <2.0                                   |         | -          |

| FATTY ACID PROFILE |             | RANGE %     | RESULTS |
|--------------------|-------------|-------------|---------|
| C-CHAIN            | ACID NAME   |             |         |
| C16:0              | PALMITIC    | 5.0 – 11.0  | 6.76    |
| C16:1              | PALMITOLEIC | <1.0        | 0.13    |
| C18:0              | STEARIC     | 3.0 - 6.5   | 3.73    |
| C18:1              | OLEIC       | 12.0 – 28.0 | 25.88   |
| C18:2              | LINOLEIC    | 60.0 – 78.0 | 62.41   |
| C18:3              | LINOLENIC   | < 1.5       | 0.16    |
| C20:0              | ARACHIDIC   | < 1.5       | 0.23    |
| C20:1              | GADOLEIC    | < 1.0       | 0.15    |
| C22:0              | BEHENIC     | < 1.0       | 0.53    |

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