



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: RASPBERRY SEED OIL, COLD PRESSED**

LOT NUMBER: LOT0012318

PRODUCT INCI: RUBUS IDAEUS SEED OIL

PRODUCT CODE: K0374

CAS NUMBER: 84929-76-0

EINECS NUMBER: 284-554-0

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 05/07/2021

BEST BEFORE DATE: 05/01/2023

| ANALYTICAL DETAILS                       |  | RANGE %         | RESULTS |
|------------------------------------------|--|-----------------|---------|
| APPEARANCE                               |  | OILY LIQUID     | -       |
| ODOUR                                    |  | CHARACTERISTIC  | -       |
| COLOUR                                   |  | GOLDEN - YELLOW | -       |
| REFRACTIVE INDEX @ 20°C                  |  | 1.470 – 1.500   | 1.495   |
| SPECIFIC GRAVITY @ 20°C                  |  | 0.920 – 0.940   | 0.935   |
| PEROXIDE VALUE (MEQ O <sub>2</sub> / KG) |  | <20.0           | 2.79    |
| FREE FATTY ACID                          |  | <5.0            | 1.925   |
| ACID VALUE                               |  | <10.0           | 3.85    |

| FATTY ACID PROFILE |           | RANGE %     | RESULTS |
|--------------------|-----------|-------------|---------|
| C-CHAIN            | ACID NAME |             |         |
| C16:0              | PALMITIC  | 2.0 – 7.0   | 4.6     |
| C18:0              | STEARIC   | <4.0        | 2.5     |
| C18:1              | OLEIC     | 10.0 – 30.0 | 21.5    |
| C18:2              | LINOLEIC  | 43.0 – 62.0 | 55.3    |
| C18:3              | LINOLENIC | 10.0 – 30.0 | 13.7    |