

**The Soap Kitchen (2011) Ltd**

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## CERTIFICATE OF ANALYSIS

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

**LOT NUMBER: Lot0007807**

PRODUCT INCI: VACCINIUM MACROCARPON OIL

PRODUCT CODE: K0165

CAS NUMBER: 91770-88-6

EINECS NUMBER: 294-875-8

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 20/08/2020

BEST BEFORE DATE: 20/02/2022

| ANALYTICAL DETAILS      | RANGE %            | RESULTS |
|-------------------------|--------------------|---------|
| APPEARANCE              | OILY LIQUID        | -       |
| COLOUR                  | GREEN – DARK GREEN | -       |
| ODOUR                   | CHARACTERISTIC     | -       |
| SPECIFIC GRAVITY @ 20°C | 0.915 – 0.930      | 0.923   |
| SAPONIFICATION VALUE    | 180.0 – 200.0      | 190.0   |
| ACID VALUE              | <5.0               | 1.43    |
| IODINE VALUE            | 149.0 – 188.0      | 169     |
| PEROXIDE VALUE          | <20.0              | 9.0     |
| FREE FATTY ACID         | <2.0               | 1.15    |

| FATTY ACID PROFILE |                  | RANGE %     | RESULTS |
|--------------------|------------------|-------------|---------|
| <b>C-CHAIN</b>     | <b>ACID NAME</b> |             |         |
| C16:0              | PALMITIC         | 3.0 – 6.0   | 4.7     |
| C16:1              | PALMITOLEIC      | <0.5        | 0.26    |
| C18:0              | STEARIC          | 0.5 - 2.0   | 1.42.   |
| C18:1              | OLEIC            | 22.0 – 26.0 | 22.0    |
| C18:2              | LINOLEIC         | 30.0 – 38.0 | 35.6    |
| C18:3              | GAMMA LINOLENIC  | 30.0 – 38.0 | 30.0    |
| C21:1              | ICOSENOIC        | <1.0        | 0.44    |
| C24:0              | TETRACOSANOIC    | <1.0        | 0.12    |