

CERTIFICATE OF ANALYSIS

| |
|--|
| PRODUCT NAME: MARULA SEED OIL, COLD PRESSED |
| LOT NUMBER: LOT0000660 |
| PRODUCT INCI: SCLEROCARYA BIRREA SEED OIL |
| PRODUCT CODE: K0288 |
| CAS NUMBER: NOT LISTED |
| EINECS NUMBER: NOT LISTED |
| MANUFACTURING METHOD: COLD PRESSED |
| MANUFACTURING DATE: 25/06/2018 |
| BEST BEFORE DATE: 30/06/2020 |

| ANALYTICAL DETAILS | RANGE %) | RESULTS |
|--|--|---------|
| APPEARANCE | OILY LIQUID (ROOM TEMP), SOFT BUTTER (COOL TEMP) | - |
| ODOUR | ODOURLESS | - |
| COLOUR | WHITE – IVORY - YELLOW | - |
| FREE FATTY ACID (%) | <4.0 | - |
| SAPONIFICATION VALUE | 180.0 – 200.0 | 188.0 |
| PEROXIDE VALUE (MEQ O ₂ / KG) | <20.0 | 0.44 |
| ACID VALUE | <10.0 | 3.8 |
| IODINE VALUE | 70 - 86 | 74.99 |

| FATTY ACID PROFILE | | RANGE % | RESULTS |
|--------------------|-----------|-------------|---------|
| C-CHAIN | ACID NAME | | |
| C16:0 | PALMITIC | 9.0 – 15.0 | 12.2 |
| C18:0 | STEARIC | 5.0 – 12.0 | 8.6 |
| C18:1 | OLEIC | 60.0 – 85.0 | 69.9 |
| C18:2 | LINOLEIC | 4.0 – 12.0 | 7.4 |
| C18:3 | LINOLENIC | <1.0 | 0.1 |
| C20:0 | ARACHIDIC | <1.0 | 0.7 |