



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME: NEEM SEED OIL, COLD PRESSED ORGANIC**

**LOT NUMBER: LOT0002708**

PRODUCT INCI: MELIA AZADIRACHTA SEED OIL

PRODUCT CODE: K0301

CAS NUMBER: 8002-65-1 / 90063-92-6

EINECS NUMBER: 290-052-2

MANUFACTURING METHOD: COLD PRESSED

MANUFACTURING DATE: 19/03/2019

BEST BEFORE DATE: 19/09/2020

| ANALYTICAL DETAILS                       | RANGE %                                      | RESULTS |
|------------------------------------------|----------------------------------------------|---------|
| APPEARANCE                               | OILY LIQUID (ROOM TEMP), SOFT BUTTER (<10°C) | -       |
| ODOUR                                    | CHARACTERISTIC                               | -       |
| COLOUR                                   | GREEN – BROWN                                | -       |
| REFRACTIVE INDEX @ 20°C                  | 1.450 – 1.473                                | 1.467   |
| SPECIFIC GRAVITY @ 20°C                  | 0.900 – 0.940                                | 0.9142  |
| ACID VALUE                               | <9.0                                         | 4.75    |
| SAPONIFICATION VALUE                     | 190.0 – 199.0                                | 194.26  |
| UNSATURIFIABLE MATTER                    | <4.0                                         | 0.72    |
| PEROXIDE VALUE (MEQ O <sub>2</sub> / KG) | <20.0                                        | 1.4     |
| HEAVY METALS                             | <10 PPM                                      | -       |
| AZADIRACTIN                              | <2500                                        | 314.8   |