



BEHALE

'be strong & healthy'

CERTIFICATE OF ANALYSIS

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| PRODUCT NAME | CLOVE BUD ORGANIC ESSENTIAL OIL |
| LATIN NAME | <i>Eugenia caryophyllata</i> |
| CAS NO | 84961-50-2/8000-34-8 |
| PRODUCT CODE | PGCLOB01 |
| MANUFACTURE DATE | 06/2018 |
| EXPIRY DATE | 06/2023 |
| BATCH NUMBER | CLOBO0618PFE |
| COUNTRY OF ORIGIN | MADAGASCAR |
| PART OF PLANT USED | BUD (STEAM DISTILLED) |
| ORIGINAL DATE ISSUED | 14/06/2018 |
| DATE DISPATCHED | - |

| ANALYTICAL DETAILS | SPECIFICATION | RESULTS |
|--------------------------------|---------------------------|----------------|
| COLOUR | COLOURLESS TO PALE YELLOW | COMPLIES |
| ODOUR | SPICY AROMA | COMPLIES |
| PHYSICAL STATE | LIQUID | COMPLIES |
| REFRACTIVE INDEX (20°C) | 1.523 - 1.535 | 1.5306 |
| RELATIVE DENSITY (20°C) | 1.040 - 1.064 | 1.0551 |
| OPTICAL ROTATION | 0° - -1.5° | -0.58° |

| MAJOR CONSTITUENT LISTING: | | |
|-----------------------------------|--------------------------|------------------------|
| NAME OF CONSTITUENT: | SPECIFICATION (%) | COMPOSITION (%) |
| ANETHOL | - | 0.175 |
| EUGENOL | 70 - 90 | 70.669 |
| CARYOPHYLLENE | 5 - 12 | 8.129 |
| ALPHA HUMULENE | - | 0.578 |
| EUGENYL ACETATE | 8 -17 | 19.212 |
| CARYOPHYLLENE OXIDE | - | 0.239 |
| ISOAROMADENDRENE EPOXIDIE | - | 0.065 |

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| STORAGE CONDITIONS | STORE IN A COOL DARK PLACE |
|---------------------------|-----------------------------------|

A. SALMAN
AYANDA SALMAN
QUALITY CONTROL

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