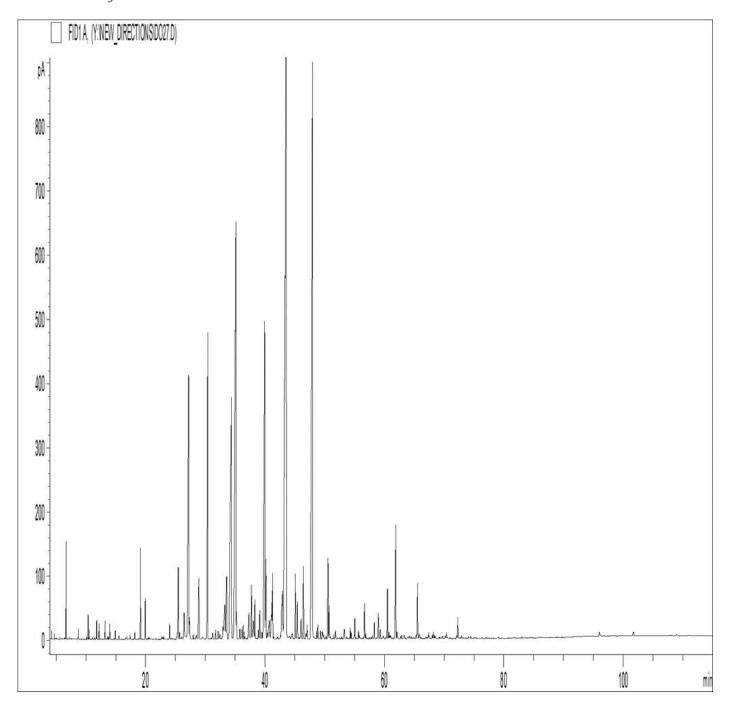


GCMS ANALYSIS

PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

DATE: January 12, 2021



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,





PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|---------------------------|------|
| 1 | 4,26 | ACETONE | 0,03 |
| 2 | 6,67 | alpha-PINENE | 0,43 |
| 3 | 8,70 | beta-PINENE | 0,02 |
| 4 | 8,73 | DEHYDROXYLINALOOL OXIDE A | 0,04 |
| 5 | 10,36 | beta-MYRCENE | 0,15 |
| 6 | 10,54 | alpha-PHELLANDRENE | 0,06 |
| 7 | 11,81 | LIMONENE | 0,13 |
| 8 | 12,21 | 1,8-CINEOLE | 0,11 |
| 9 | 12,21 | beta-PHELLANDRENE | 0,11 |
| 10 | 13,20 | cis-beta-OCIMENE | 0,13 |
| 11 | 13,59 | trans-ARBUSCULON | 0,03 |
| 12 | 13,76 | COMPOUND Mw=122 | 0,02 |
| 13 | 13,98 | trans-beta-OCIMENE | 0,11 |
| 14 | 14,90 | p-CYMENE | 0,07 |
| 15 | 15,52 | TERPINOLENE | 0,03 |
| 16 | 17,39 | 1-PENTANOL, 3-METHYL- | 0,03 |
| 17 | 18,19 | 5-HEPTEN-2-ONE, 6-METHYL- | 0,06 |
| 18 | 19,15 | ROSE cis-OXIDE | 0,88 |
| 19 | 19,95 | ROSE trans-OXIDE | 0,37 |
| 20 | 22,75 | PERILLENE | 0,03 |
| 21 | 23,05 | trans-p-MENTHANE-8-OL | 0,02 |
| 22 | 24,02 | LINALOOL cis-OXIDE | 0,16 |
| 23 | 25,31 | alpha-CUBEBENE | 0,06 |
| 24 | 25,47 | MENTHONE | 0,83 |
| 25 | 25,70 | LINALOOL trans-OXIDE | 0,07 |
| 26 | 26,09 | SESQUITERPENE | 0,04 |
| 27 | 26,45 | CITRONELLAL | 0,46 |
| 28 | 26,93 | ISOGERANIAL | 0,06 |
| 29 | 27,21 | ISOMENTHONE | 4,70 |
| 30 | 27,33 | alpha-COPAENE | 0,38 |

Disclaimer & Caution:





PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|-------------------------|-------|
| 31 | 27,98 | ISONERAL | 0,04 |
| 32 | 28,50 | alpha-BOURBONENE | 0,09 |
| 33 | 28,92 | beta-BOURBONENE | 1,10 |
| 34 | 29,54 | alpha-GURJUNENE | 0,04 |
| 35 | 29,60 | SESQUITERPENE | 0,02 |
| 36 | 30,43 | LINALOOL | 4,56 |
| 37 | 31,25 | NEOISOPULEGOL | 0,09 |
| 38 | 31,72 | ISOPULEGOL | 0,11 |
| 39 | 32,15 | epsilon-CADINENE | 0,14 |
| 40 | 32,43 | ISOMENTHYL ACETATE | 0,06 |
| 41 | 32,88 | beta-ELEMENE | 0,03 |
| 42 | 32,97 | beta-CUBEBENE | 0,18 |
| 43 | 33,21 | alpha-trans-BERGAMOTENE | 0,38 |
| 44 | 33,27 | alpha-GUAIENE | 0,48 |
| 45 | 33,59 | beta-CARYOPHYLLENE | 1,42 |
| 46 | 34,38 | 6,9-GUAIADIENE | 7,46 |
| 47 | 34,54 | SESQUITERPENE | 0,02 |
| 48 | 35,11 | CITRONELLYL FORMIATE | 10,57 |
| 49 | 35,22 | NEOISOMENTHOL | 0,42 |
| 50 | 35,80 | CADINA-3,5-DIENE | 0,11 |
| 51 | 36,19 | GERMACRENE A | 0,15 |
| 52 | 36,44 | ALLO-AROMADENDRENE | 0,13 |
| 53 | 36,63 | MYRTENIC ESTER | 0,03 |
| 54 | 37,30 | ZONARENE | 0,16 |
| 55 | 37,32 | alpha-HUMULENE | 0,32 |
| 56 | 37,70 | CITRONELLYL ACETATE | 0,35 |
| 57 | 37,73 | NERYL FORMATE | 0,34 |
| 58 | 37,95 | cis-4,5-MUUROLADIENE | 0,10 |
| 59 | 38,00 | CALAMENENE ISOMER | 0,10 |
| 60 | 38,05 | SESQUITERPENE | 0,19 |

Disclaimer & Caution:





PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|------------------------|-------|
| 61 | 38,31 | NERAL | 0,42 |
| 62 | 38,91 | gamma-MUUROLENE | 0,14 |
| 63 | 39,14 | alpha-TERPINEOL | 0,36 |
| 64 | 39,51 | CALAMENENE ISOMER | 0,08 |
| 65 | 39,95 | GERANYL FORMIATE | 6,10 |
| 66 | 40,17 | GERMACRENE D | 1,31 |
| 67 | 40,37 | SESQUITERPENE | 0,04 |
| 68 | 40,41 | PIPERITONE | 0,08 |
| 69 | 40,61 | MUUROLADIENE ISOMER | 0,15 |
| 70 | 40,70 | beta-SELINENE | 0,26 |
| 71 | 40,82 | alpha-SELINENE | 0,07 |
| 72 | 41,03 | alpha-MUUROLENE | 0,25 |
| 73 | 41,14 | CITRONELLYL PROPIONATE | 0,49 |
| 74 | 41,28 | GERANIAL | 0,75 |
| 75 | 41,47 | cis-alpha-BISABOLENE | 0,03 |
| 76 | 42,06 | SESQUITERPENE | 0,03 |
| 77 | 42,59 | E,E-alpha-FARNESENE | 0,05 |
| 78 | 42,83 | GERANYL ACETATE | 0,55 |
| 79 | 42,93 | delta-CADINENE | 0,74 |
| 80 | 43,58 | CITRONELLOL | 22,74 |
| 81 | 43,87 | delta-SELINENE | 0,02 |
| 82 | 44,05 | MYRTENOL ISOMER | 0,03 |
| 83 | 44,12 | CADINA-1,4-DIENE | 0,05 |
| 84 | 44,53 | NERYL PROPIONATE | 0,08 |
| 85 | 44,62 | SESQUITERPENE | 0,05 |
| 86 | 45,09 | NEROL | 0,68 |
| 87 | 45,44 | CITRONELLYL BUTYRATE | 0,49 |
| 88 | 45,51 | cis-ISOGERANIOL | 0,02 |
| 89 | 46,06 | NERYL BUTYRATE | 0,32 |
| 90 | 46,45 | GERANYL PROPIONATE | 1,02 |

Disclaimer & Caution:





PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|---|-------|
| 91 | 46,87 | GERMACRENE B | 0,08 |
| 92 | 47,05 | CALAMENENE | 0,16 |
| 93 | 47,96 | GERANIOL | 14,27 |
| 94 | 48,67 | GERANYL ISOBUTYRATE | 0,08 |
| 95 | 48,86 | trans-MYRTANOL | 0,20 |
| 96 | 49,30 | 2-PHENYLETHYL ISOBUTYRATE | 0,10 |
| 97 | 49,60 | 2-PHENYLETHYL BUTYRATE | 0,09 |
| 98 | 49,70 | ISOGERANIOL ISOMER | 0,06 |
| 99 | 49,81 | ISOGERANIOL ISOMER | 0,05 |
| 100 | 50,08 | Epi-CUBEBOL | 0,02 |
| 101 | 50,25 | PHENYLETHYL ALCOHOL | 0,04 |
| 102 | 50,57 | GERANYL BUTYRATE | 1,03 |
| 103 | 50,75 | NERYL METHYLBUTYRATE | 0,38 |
| 104 | 50,98 | AROMATIC COMPOUND | 0,04 |
| 105 | 51,53 | SESQUITERPENIC EPOXIDE | 0,06 |
| 106 | 51,82 | GERANYL METHYLBUTYRATE | 0,11 |
| 107 | 52,84 | SESQUITERPENONE | 0,03 |
| 108 | 53,28 | SESQUITERPENIC EPOXIDE | 0,07 |
| 109 | 53,31 | BISNORSESQUITERPENE-1,4,5-ESQUEL-7-EN-9- ONE | 0,10 |
| 110 | 53,69 | CUBEBOL | 0,02 |
| 111 | 54,28 | 2-PHENYLETHYL ISOVALERATE | 0,12 |
| 112 | 54,45 | FUROPELARGON ISOMER | 0,07 |
| 113 | 54,94 | CITRONELLIC ESTER | 0,04 |
| 114 | 55,07 | CARYOPHYLLENE EPOXIDE | 0,25 |
| 115 | 55,68 | NERYL METHYLVALERATE | 0,09 |
| 116 | 55,81 | Epi-GLOBULOL | 0,04 |
| 117 | 56,00 | CITRONELLYL CAPROATE | 0,02 |
| 118 | 56,45 | COMPOUND Mw=234 | 0,03 |
| 119 | 56,67 | CITRONELLYL TIGLATE | 0,40 |
| 120 | 56,90 | GERANYL METHYLVALERATE | 0,06 |

Disclaimer & Caution:



PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|------------------------------|------|
| 121 | 57,47 | EPOXY-6,7-HUMULENE | 0,02 |
| 122 | 57,80 | JUNEOL | 0,02 |
| 123 | 57,97 | IONONE ISOMER | 0,05 |
| 124 | 58,32 | NERYL CAPROATE | 0,19 |
| 125 | 58,97 | Epi-CUBENOL | 0,34 |
| 126 | 59,32 | CUBENOL | 0,13 |
| 127 | 59,80 | GLOBULOL | 0,05 |
| 128 | 60,24 | TERPENIC ESTER | 0,03 |
| 129 | 60,52 | FUROPELARGON | 0,59 |
| 130 | 60,74 | GERANYL CAPROATE | 0,09 |
| 131 | 60,91 | 2-PHENYLETHYL METHYLVALERATE | 0,05 |
| 132 | 61,04 | CITRONELLYL HEPTANOATE | 0,05 |
| 133 | 61,43 | SESQUITERPENIC EPOXIDE | 0,02 |
| 134 | 61,92 | GERANYL TIGLATE | 1,64 |
| 135 | 62,12 | GERANIC ESTER | 0,08 |
| 136 | 62,18 | SESQUITERPENIC EPOXIDE | 0,02 |
| 137 | 62,72 | TERPENIC ESTER | 0,03 |
| 138 | 62,91 | SESQUITERPENOL | 0,06 |
| 139 | 63,34 | SESQUITERPENIC EPOXIDE | 0,05 |
| 140 | 63,96 | beta-BETULENAL | 0,04 |
| 141 | 64,21 | CITRONELLYL CAPRYLATE | 0,05 |
| 142 | 64,55 | T-CADINOL | 0,03 |
| 143 | 64,82 | gamma-EUDESMOL | 0,02 |
| 144 | 65,33 | 1-TETRADECANOL | 0,06 |
| 145 | 65,55 | 2-PHENYLETHYL TIGLATE | 0,66 |
| 146 | 65,62 | alpha-MUUROLOL | 0,05 |
| 147 | 65,82 | PHENYLETHYLIC ESTER | 0,04 |
| 148 | 65,89 | delta-CADINOL | 0,07 |
| 149 | 66,03 | NERYL CAPRYLATE | 0,02 |
| 150 | 66,96 | alpha-EUDESMOL | 0,02 |

Disclaimer & Caution:





PRODUCT NAME: ROSE GERANIUM ORGANIC ESSENTIAL OIL - 50058

| Peak | RT (min) | Compound name | % |
|------|----------|---------------------------------|-------|
| 151 | 67,14 | SESQUITERPENIC EPOXIDE | 0,03 |
| 152 | 67,33 | beta-EUDESMOL | 0,03 |
| 153 | 67,45 | alpha-CADINOL | 0,08 |
| 154 | 68,02 | EUDESMA-7(11)-EN-4-OL | 0,05 |
| 155 | 68,21 | CITRONELLIC ACID | 0,08 |
| 156 | 68,42 | GERANYL CAPRYLATE | 0,05 |
| 157 | 68,55 | SESQUITERPENONE | 0,03 |
| 158 | 69,19 | CITRONELLIC ESTER | 0,02 |
| 159 | 69,35 | ACID COMPOUND | 0,03 |
| 160 | 69,75 | CARYOPHYLLA-2,6-DIEN-5-alpha-OL | 0,04 |
| 161 | 70,24 | ALIPHATIC ALCOHOL | 0,04 |
| 162 | 70,41 | TERPENIC ESTER | 0,08 |
| 163 | 72,09 | SESQUITERPENIC EPOXIDE | 0,04 |
| 164 | 72,31 | GERANIC ACID | 0,27 |
| 165 | 72,94 | MANOYL OXIDE | 0,05 |
| 166 | 74,07 | GERANYL CITRONELLATE | 0,03 |
| 167 | 74,52 | ALIPHATIC ALCOHOL | 0,03 |
| 168 | 95,99 | SESQUITERPENIC COMPOUND | 0,08 |
| 169 | 101,69 | SESQUITERPENIC COMPOUND | 0,10 |
| 170 | 108,94 | SESQUITERPENIC COMPOUND | 0,03 |
| | | TOTAL | 99,96 |

Disclaimer & Caution:

