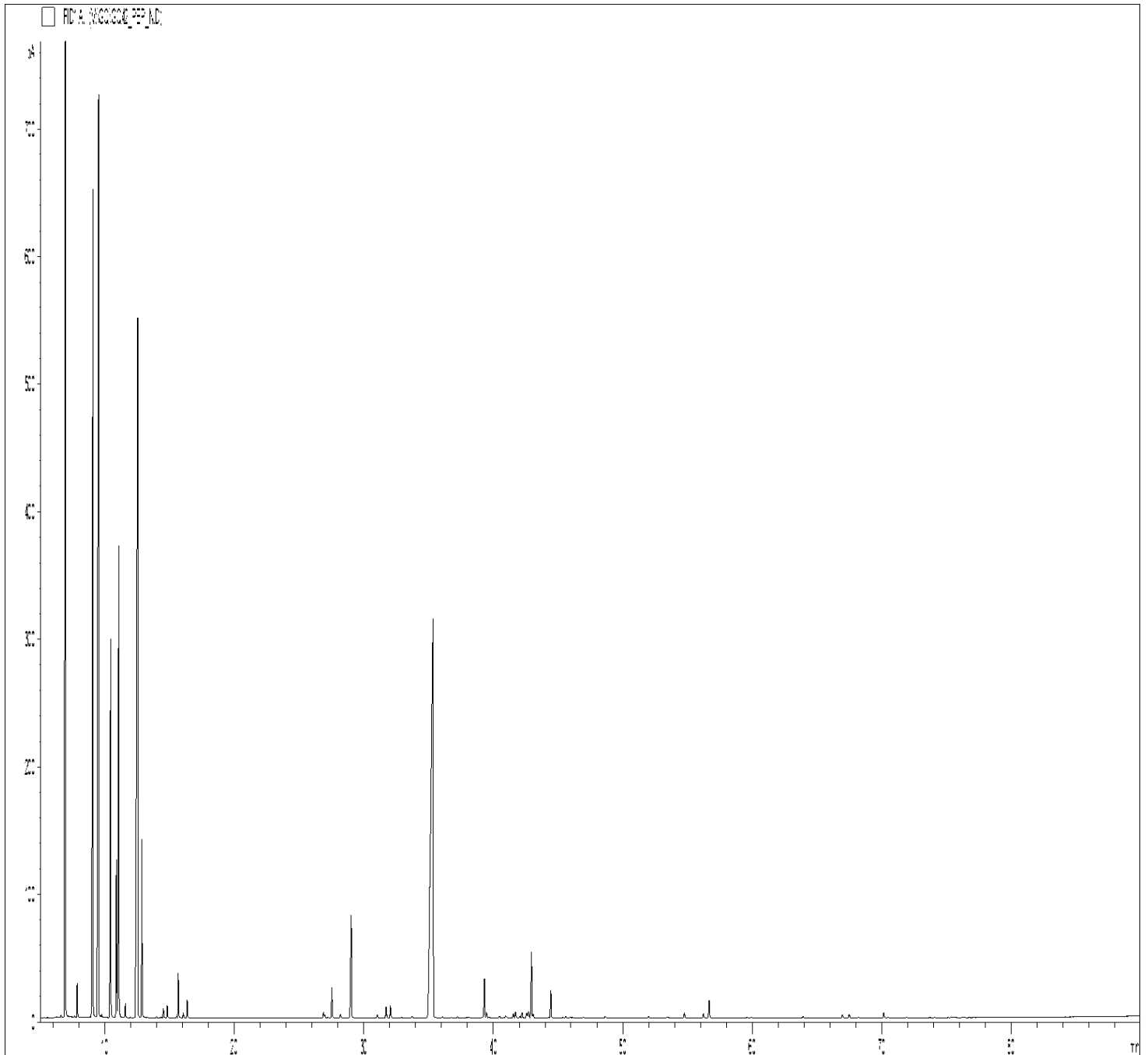


GCMS ANALYSIS

PRODUCT NAME: PEPPER BLACK ORGANIC ESSENTIAL OIL – 50020

DATE: March 8, 2022



*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,*

GCMS ANALYSIS (cont'd,)
**PRODUCT NAME: PEPPER BLACK ORGANIC ESSENTIAL OIL – 50020**

| Peak | RT (min) | Compound name             | %            |
|------|----------|---------------------------|--------------|
| 1    | 6,62     | TRICYCLEN                 | 0,02         |
| 2    | 6,94     | <b>alpha-PINENE</b>       | <b>14,16</b> |
| 3    | 6,97     | alpha-THUYENE             | 1,40         |
| 4    | 7,66     | alpha-FENCHENE            | 0,02         |
| 5    | 7,87     | CAMPHENE                  | 0,31         |
| 6    | 9,08     | <b>beta-PINENE</b>        | <b>12,89</b> |
| 7    | 9,51     | <b>SABINENE</b>           | <b>14,80</b> |
| 8    | 9,75     | delta2-CARENE             | 0,03         |
| 9    | 10,44    | <b>delta3-CARENE</b>      | <b>4,65</b>  |
| 10   | 10,90    | beta-MYRCENE              | 1,88         |
| 11   | 11,07    | <b>alpha-PHELLANDRENE</b> | <b>6,32</b>  |
| 12   | 11,15    | psi-LIMONENE              | 0,05         |
| 13   | 11,57    | alpha-TERPINENE           | 0,15         |
| 14   | 12,53    | <b>LIMONENE</b>           | <b>15,06</b> |
| 15   | 12,85    | beta-PHELLANDRENE         | 1,99         |
| 16   | 13,98    | cis-beta-OCIMENE          | 0,02         |
| 17   | 14,32    | TERPENE ISOMER            | 0,02         |
| 18   | 14,51    | gamma-TERPINENE           | 0,11         |
| 19   | 14,81    | trans-beta-OCIMENE        | 0,14         |
| 20   | 15,52    | m-CYMENE                  | 0,01         |
| 21   | 15,66    | p-CYMENE                  | 0,53         |
| 22   | 16,05    | ISOTERPINOLENE            | 0,05         |
| 23   | 16,35    | TERPINOLENE               | 0,22         |
| 24   | 25,68    | LIMONENE cis-1,2-EPOXIDE  | 0,01         |
| 25   | 26,90    | alpha-CUBEBENE            | 0,10         |
| 26   | 27,00    | trans-THUYANOL            | 0,04         |
| 27   | 27,24    | ELEMENE ISOMER            | 0,02         |
| 28   | 27,54    | <b>delta-ELEMENE</b>      | <b>0,48</b>  |
| 29   | 28,21    | ISOLEDENE                 | 0,07         |
| 30   | 29,04    | <b>alpha-COPAENE</b>      | <b>1,87</b>  |

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: PEPPER BLACK ORGANIC ESSENTIAL OIL – 50020

| Peak | RT (min) | Compound name                | %            |
|------|----------|------------------------------|--------------|
| 31   | 31,05    | alpha-GURJUNENE              | 0,05         |
| 32   | 31,74    | beta1-CUBEBENE               | 0,18         |
| 33   | 32,06    | LINALOOL                     | 0,18         |
| 34   | 32,90    | PINOCARVONE                  | 0,03         |
| 35   | 33,74    | ISOCARYOPHYLLENE             | 0,03         |
| 36   | 35,25    | beta-ELEMENE                 | 0,17         |
| 37   | 35,36    | <b>beta-CARYOPHYLLENE</b>    | <b>17,75</b> |
| 38   | 36,07    | 6,9-GUAIADIENE               | 0,02         |
| 39   | 36,58    | MYRTENAL                     | 0,01         |
| 40   | 36,77    | cis-p-MENTHA-2,8-DIEN-1-OL   | 0,02         |
| 41   | 37,24    | CADINA-3,5-DIENE             | 0,02         |
| 42   | 37,95    | SESQUITERPENE                | 0,01         |
| 43   | 38,10    | ALLO-AROMADENDRENE           | 0,03         |
| 44   | 38,88    | trans-p-MENTHA-2,8-DIEN-1-OL | 0,01         |
| 45   | 39,15    | CRYPTONE                     | 0,02         |
| 46   | 39,33    | alpha-HUMULENE               | 0,66         |
| 47   | 39,48    | E-beta-FARNESENE             | 0,09         |
| 48   | 39,69    | SESQUITERPENE                | 0,03         |
| 49   | 40,25    | LAVANDULAL                   | 0,01         |
| 50   | 40,41    | SESQUITERPENE                | 0,01         |
| 51   | 40,50    | gamma-MUUROLENE              | 0,03         |
| 52   | 40,84    | LEDENE                       | 0,01         |
| 53   | 40,95    | SESQUITERPENE                | 0,03         |
| 54   | 40,99    | alpha-TERPINEOL              | 0,02         |
| 55   | 41,55    | GURJUNENE ISOMER             | 0,06         |
| 56   | 41,72    | <b>GERMACRENE D</b>          | <b>0,10</b>  |
| 57   | 42,06    | SESQUITERPENE                | 0,03         |
| 58   | 42,22    | <b>beta-SELINENE</b>         | <b>0,10</b>  |
| 59   | 42,60    | <b>alpha-SELINENE</b>        | <b>0,10</b>  |
| 60   | 42,72    | alpha-MUUROLENE              | 0,11         |

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**GCMS ANALYSIS (cont'd,)**
**PRODUCT NAME: PEPPER BLACK ORGANIC ESSENTIAL OIL – 50020**

| <b>Peak</b> | <b>RT (min)</b> | <b>Compound name</b>                           | <b>%</b>    |
|-------------|-----------------|--|-------------|
| 61          | 42,95           | beta-BISABOLENE                                | 1,10        |
| 62          | 43,07           | BICYCLOGERMACRENE                              | 0,07        |
| 63          | 44,25           | E,E-alpha-FARNESENE                            | 0,02        |
| 64          | 44,44           | delta-CADINENE                                 | 0,43        |
| 65          | 45,34           | beta-SESQUIPELLANDRENE                         | 0,02        |
| 66          | 45,58           | trans-alpha-BISABOLENE                         | 0,03        |
| 67          | 45,95           | CADINA-1,4-DIENE                               | 0,03        |
| 68          | 46,10           | MYRTENOL                                       | 0,02        |
| 69          | 46,97           | trans-SABINOL                                  | 0,02        |
| 70          | 48,38           | GERMACRENE B                                   | 0,01        |
| 71          | 48,63           | CALAMENENE                                     | 0,03        |
| 72          | 49,28           | p-CYMENE-8-OL                                  | 0,01        |
| 73          | 51,98           | epi-CUBEBOL                                    | 0,03        |
| 74          | 53,42           | HUMULENE EPOXIDE                               | 0,04        |
| 75          | 54,75           | CUBEBOL  | 0,09        |
| 76          | 56,22           | ISOCARYOPHYLLENE EPOXIDE                       | 0,07        |
| 77          | 56,66           | <b>CARYOPHYLLENE EPOXIDE</b>                   | <b>0,31</b> |
| 78          | 59,59           | epoxy-6,7-HUMULENE                             | 0,02        |
| 79          | 59,91           | NEROLIDOL                                      | 0,02        |
| 80          | 63,90           | SPATHULENOL                                    | 0,03        |
| 81          | 65,11           | EUGENOL  | 0,01        |
| 82          | 66,96           | 2-ACETYLCYCLOPENTANONE                         | 0,05        |
| 83          | 67,48           | delta-CADINOL                                  | 0,06        |
| 84          | 68,20           | alpha-BISABOLOL                                | 0,02        |
| 85          | 70,15           | beta-NOOTKATOL                                 | 0,09        |
| 86          | 70,47           | DITERPENE Mw=272                               | 0,01        |
| 87          | 71,89           | CARYOPHYLLA-2,6-DIEN-5-alpha-OL                | 0,02        |
| 88          | 74,08           | 4-HYDROXY-6-ISOPROPYL-3-METHYLCYCLOHEX-2-ENONE | 0,01        |
| 89          | 75,37           | ALIPHATIC ESTER                                | 0,01        |
| 90          | 75,54           | SESQUITERPENOL                                 | 0,01        |

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: PEPPER BLACK ORGANIC ESSENTIAL OIL – 50020

| Peak | RT (min) | Compound name   | %            |
|------|----------|-----------------|--------------|
| 91   | 76,25    | ALIPHATIC ESTER | 0,01         |
|      |          | <b>TOTAL</b>    | <b>99,97</b> |

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