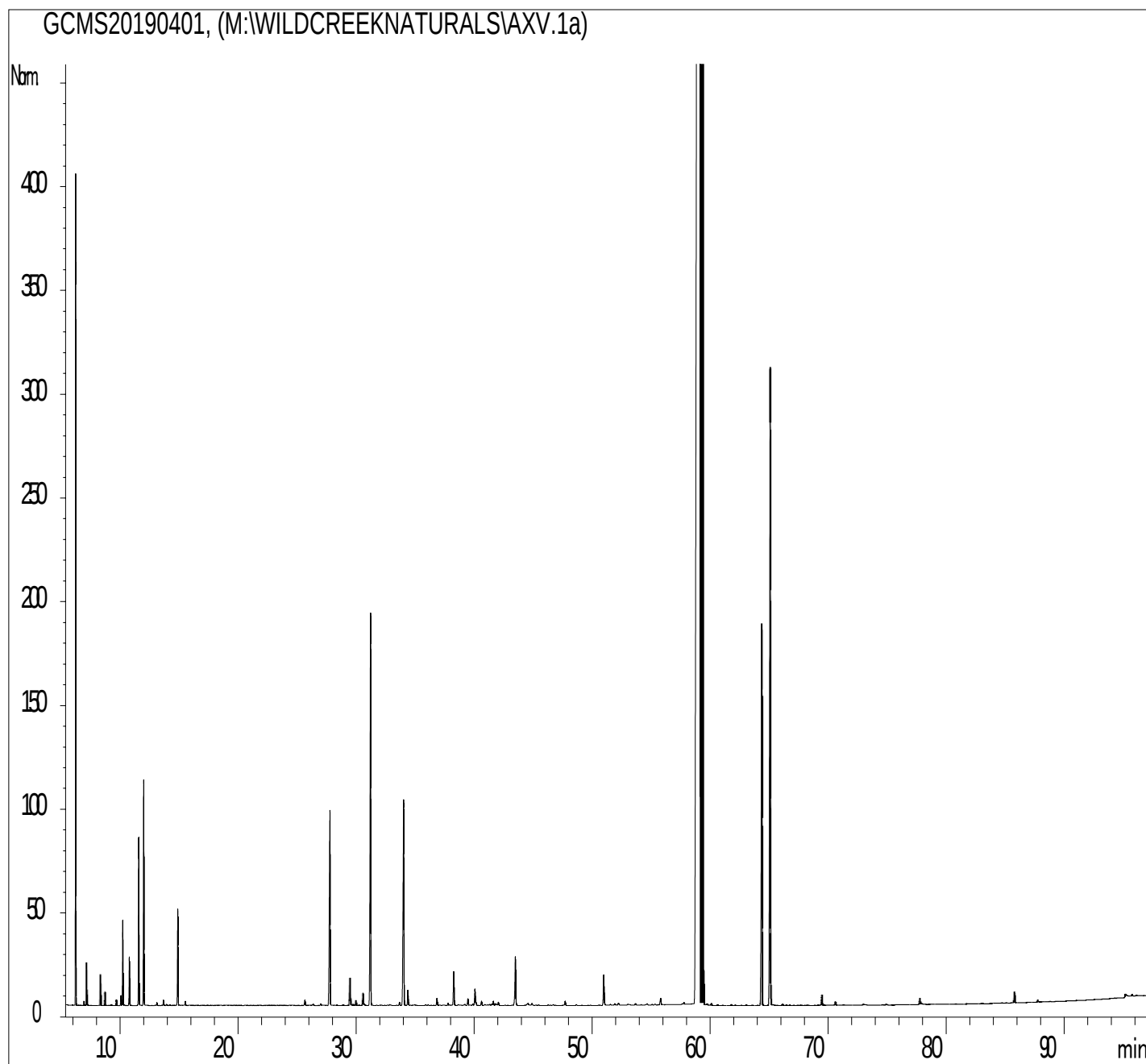




GCMS Cinnamon (*C.verum*) Bark Essential Oil  
2019.04.01





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| Peak | RT (min) | Compound                            | %           |
|------|----------|-------------------------------------|-------------|
| 1    | 6,2      | <b><math>\alpha</math>-PINENE</b>   | <b>2,83</b> |
| 2    | 6,3      | $\alpha$ -THUYENE                   | 0,12        |
| 3    | 6,9      | $\alpha$ -FENCHENE                  | 0,02        |
| 4    | 7,1      | CAMPHENE                            | 0,18        |
| 5    | 7,2      | TERPENE ISOMER                      | 0,03        |
| 6    | 8,3      | $\beta$ -PINENE                     | 0,20        |
| 7    | 8,6      | SABINENE                            | 0,08        |
| 8    | 9,6      | $\Delta^3$ -CARENE                  | 0,03        |
| 9    | 10,0     | $\beta$ -MYRCENE                    | 0,06        |
| 10   | 10,2     | $\alpha$ -PHELLANDRENE              | 0,49        |
| 11   | 10,8     | $\alpha$ -TERPINENE                 | 0,28        |
| 12   | 11,5     | LIMONENE                            | 1,01        |
| 13   | 12,0     | $\beta$ -PHELLANDRENE + 1,8-CINEOLE | 1,38        |
| 14   | 13,1     | Cis- $\beta$ -OCIMENE               | 0,01        |
| 15   | 13,6     | $\gamma$ -TERPINENE                 | 0,03        |
| 16   | 13,9     | Trans- $\beta$ -OCIMENE             | 0,01        |
| 17   | 14,2     | STYRENE                             | 0,01        |
| 18   | 14,8     | p-CYMENE                            | 0,61        |
| 19   | 15,5     | TERPINOLENE                         | 0,03        |
| 20   | 25,6     | $\alpha$ -CUBEBENE                  | 0,04        |
| 21   | 26,3     | LINALOOL trans-OXIDE                | 0,01        |
| 22   | 26,9     | CYCLOSATIVENE                       | 0,01        |
| 23   | 27,7     | $\alpha$ -COPAENE                   | 1,79        |
| 24   | 28,8     | CAMPHOR                             | 0,01        |
| 25   | 29,4     | BENZALDEHYDE                        | 0,23        |
| 26   | 29,6     | SESQUITERPENE                       | 0,01        |
| 27   | 29,9     | $\alpha$ -GURJUNENE                 | 0,04        |
| 28   | 30,5     | $\beta$ 1-CUBEBENE                  | 0,11        |
| 29   | 31,2     | <b>LINALOOL</b>                     | <b>3,16</b> |
| 30   | 33,6     | $\beta$ -ELEMENE                    | 0,03        |



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| Peak | RT (min) | Compound               | %    |
|------|----------|------------------------|------|
| 31   | 34,0     | $\beta$ -CARYOPHYLLENE | 1,95 |
| 32   | 34,3     | TERPINENE-4-OL         | 0,11 |
| 33   | 36,8     | SESQUITERPENE          | 0,06 |
| 34   | 37,7     | SESQUITERPENE          | 0,02 |
| 35   | 38,2     | $\alpha$ -HUMULENE     | 0,29 |
| 36   | 38,6     | SESQUITERPENE          | 0,01 |
| 37   | 39,2     | SESQUITERPENE          | 0,01 |
| 38   | 39,4     | $\gamma$ -MUUROLENE    | 0,05 |
| 39   | 39,8     | TERPENIC ACETATE       | 0,01 |
| 40   | 40,0     | $\alpha$ -TERPINEOL    | 0,13 |
| 41   | 40,1     | BORNEOL                | 0,02 |
| 42   | 40,6     | GERMACRENE D           | 0,03 |
| 43   | 40,8     | SESQUITERPENE          | 0,01 |
| 44   | 41,0     | $\alpha$ -SELINENE     | 0,01 |
| 45   | 41,1     | SESQUITERPENE          | 0,01 |
| 46   | 41,3     | SESQUITERPENE          | 0,01 |
| 47   | 41,4     | $\beta$ -SELINENE      | 0,02 |
| 48   | 41,6     | $\alpha$ -MUUROLENE    | 0,04 |
| 49   | 41,8     | $\beta$ -BISABOLENE    | 0,02 |
| 50   | 41,9     | SESQUITERPENE          | 0,01 |
| 51   | 42,0     | BICYCLOGERMACRENE      | 0,03 |
| 52   | 43,4     | $\delta$ -CADINENE     | 0,45 |
| 53   | 44,4     | BENZENEPROPANAL        | 0,01 |
| 54   | 44,5     | $\alpha$ -CURCUMENE    | 0,02 |
| 55   | 44,8     | $\alpha$ -BISABOLENE   | 0,03 |
| 56   | 47,7     | CALAMENENE             | 0,04 |
| 57   | 50,9     | Z-CINNAMALDEHYDE       | 0,28 |
| 58   | 51,5     | ALIPHATIC ESTER        | 0,01 |
| 59   | 51,9     | PHENYLETHYL ALCOHOL    | 0,02 |
| 60   | 52,2     | $\alpha$ -CALACORENE   | 0,02 |
| 61   | 53,0     | TETRADECANAL           | 0,02 |



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| Peak | RT (min) | Compound                       | %            |
|------|----------|--------------------------------|--------------|
| 62   | 53,6     | BENZENE PROPANOL ACETATE       | 0,02         |
| 63   | 54,6     | 2-METHOXY BENZALDEHYDE         | 0,01         |
| 64   | 55,8     | CARYOPHYLLENE EPOXYDE          | 0,06         |
| 65   | 57,7     | COMPONENT Mw= 176 ISOMER       | 0,03         |
| 66   | 59,1     | <b>E-CINNAMALDEHYDE</b>        | <b>73,34</b> |
| 67   | 59,2     | EPOXY-6,7-HUMULENE             | 0,04         |
| 68   | 59,4     | AROMATIC COMPONENT Mw=206      | 0,45         |
| 69   | 59,7     | Epi-CUBENOL                    | 0,01         |
| 70   | 60,1     | CUBENOL                        | 0,02         |
| 71   | 60,6     | METHYL CINNAMATE ISOMER        | 0,01         |
| 72   | 61,8     | CINNAMYL FORMIATE              | 0,01         |
| 73   | 63,0     | SPATHULENOL                    | 0,01         |
| 74   | 64,4     | <b>CINNAMYL ACETATE</b>        | <b>3,45</b>  |
| 75   | 65,0     | <b>EUGENOL</b>                 | <b>5,50</b>  |
| 76   | 65,3     | T-CADINOL                      | 0,02         |
| 77   | 69,5     | EUGENYL ACETATE                | 0,09         |
| 78   | 70,6     | CINNAMIC ALCOHOL               | 0,03         |
| 79   | 77,7     | Trans-o-METHOXY-CINNAMALDEHYDE | 0,05         |
| 80   | 77,8     | AROMATIC COMPONENT             | 0,01         |
| 81   | 85,7     | BENZYL BENZOATE                | 0,10         |
| 82   | 87,7     | AROMATIC COMPONENT             | 0,02         |
| 83   | 95,1     | CINNAMIC ACID                  | 0,07         |
|      |          | <b>TOTAL</b>                   | <b>99,95</b> |