



# Atlas Agriscience, LLC

## Certificate of Analysis



### ATLAS HEMP, LLC

LAB#:13-March-2020

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Received: 03/08/2019  
Analyzed: 07/16/2019  
Reported: 11/18/2019

### CHERRY BURST

The is the lab results for the Cherry Burst Terpene Sample, ID:13

### POTENCY

Total potential THC: 0  
Total potential CBD: 0  
Total cannabinoids: 0

**Laboratory note :** This product contains terpenes and terpenoids. It does not contain cannabinoids.



18251 Cascade Avenue S  
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**TERPENES**

| % Total             | mass % | mg/g  | LOD   | LOQ  | GCMS                |       |       |         |        |
|---------------------|--------|-------|-------|------|---------------------|-------|-------|---------|--------|
|                     |        |       |       |      | mass %              | mg/g  | LOD   | LOQ     |        |
| Camphor             | 0.03   | 0.3   | 0.01  | 0.09 | Linalool            | 2.39  | 23.9  | 0.04    | 0.13   |
| Camphene            | 0.25   | 2.5   | 0.008 | 0.09 | alpha-Pinene        | 5.79  | 57.9  | 0.006   | 0.02   |
| Citronellol         | 0.09   | 0.9   | 0.04  | 0.09 | Terpinolene         | 0.25  | 2.5   | 0.00016 | 0.0013 |
| Fenchone            | 0.17   | 1.7   | 0.01  | 0.09 | beta-Pinene         | 3.56  | 35.6  | 0.03    | 0.05   |
| Fenchol             | 0.94   | 9.4   | 0.02  | 0.09 | Terpineol           | 0.44  | 4.4   | 0.07    | 0.23   |
| Myrcene             | 28.88  | 288.8 | 0.02  | 0.07 | Borneol             | 0.18  | 1.8   | 0.03    | 0.09   |
| D-Limonene          | 8.54   | 85.4  | 0.03  | 0.09 | Caryophyllene oxide | 0.09  | 0.9   | 0.03    | 0.09   |
| Bisabolene          | 1.72   | 17.2  | 0.03  | 0.11 | BetaCaryophyllene   | 11.02 | 110.2 | 0.03    | 0.05   |
| alpha-Farnesene     | 0.75   | 7.5   | 0.03  | 0.09 | beta-Farnesene      | 1.47  | 14.7  | 0.03    | 0.09   |
| Humulene            | 2.58   | 25.8  | 0.03  | 0.11 | beta-Ocimene        | 0.69  | 6.9   | 0.03    | 0.09   |
| cis-Nerolidol       | 0.24   | 2.4   | 0.03  | 0.09 | Valencene           | 0.44  | 4.4   | 0.03    | 0.09   |
| Menthol             | < LOD  | < LOD | 0.03  | 0.09 | Eucalyptol          | < LOD | < LOD | 0.05    | 0.19   |
| Pulegone            | < LOD  | < LOD | 0.03  | 0.09 | alpha-Phellandrene  | < LOD | < LOD | 0.01    | 0.05   |
| gamma-Terpinene     | < LOD  | < LOD | 0.01  | 0.05 | alpha-Terpinene     | < LOD | < LOD | 0.03    | 0.09   |
| p-Cymene            | < LOD  | < LOD | 0.01  | 0.09 | cineole             | < LOD | < LOD | 0.03    | 0.09   |
| cis-2-Pinanol       | < LOD  | < LOD | 0.03  | 0.09 | 4-Carvomenthenol    | < LOD | < LOD | 0.03    | 0.09   |
| gamma-Terpineol     | < LOD  | < LOD | 0.03  | 0.09 | Dronabinol          | < LOD | < LOD | 0.03    | 0.09   |
| Sabinene            | < LOD  | < LOD | 0.1   | 0.32 | Limonene            | < LOD | < LOD | 0.03    | 0.05   |
| 3-Carene            | < LOD  | < LOD | 0.01  | 0.09 | 4-Thujanol          | < LOD | < LOD | 0.08    | 0.27   |
| Cedrol              | < LOD  | < LOD | 0.03  | 0.09 | alpha-Bergamotene   | < LOD | < LOD | 0.03    | 0.09   |
| Alloaromadendrene   | < LOD  | < LOD | 0.03  | 0.09 | beta-Thujone        | < LOD | < LOD | 0.03    | 0.09   |
| β-Eudesmol          | < LOD  | < LOD | 0.02  | 0.09 | alpha-Bulnesene     | < LOD | < LOD | 0.03    | 0.09   |
| D-Menthol           | < LOD  | < LOD | 0.03  | 0.09 | Isopulegol          | < LOD | < LOD | 0.03    | 0.09   |
| Guaiol              | < LOD  | < LOD | 0.01  | 0.09 | Carvone             | < LOD | < LOD | 0.03    | 0.09   |
| alpha-Cedrene       | < LOD  | < LOD | 0.03  | 0.32 | beta-Thujene        | < LOD | < LOD | 0.03    | 0.09   |
| Eudesmadiene        | < LOD  | < LOD | 0.03  | 0.09 | Geraniol            | < LOD | < LOD | 0.03    | 0.09   |
| delta8-THC          | < LOD  | < LOD | 0.03  | 0.09 | Nerol               | < LOD | < LOD | 0.03    | 0.09   |
| Cannabidiol         | < LOD  | < LOD | 0.03  | 0.09 | Geranyl Acetate     | < LOD | < LOD | 0.03    | 0.09   |
| alpha-Bisabolol     | < LOD  | < LOD | 0.03  | 0.09 | Phytol              | < LOD | < LOD | 0.03    | 0.09   |
| Germacrene B        | < LOD  | < LOD | 0.03  | 0.09 | Nerolidol           | < LOD | < LOD | 0.03    | 0.09   |
| Cannabigerol        | < LOD  | < LOD | 0.03  | 0.09 | alpha-Guaiene       | < LOD | < LOD | 0.03    | 0.09   |
| alpha-Ocimene       | < LOD  | < LOD | 0.03  | 0.09 | cis-beta-ocimene    | < LOD | < LOD | 0.03    | 0.09   |
| Caryophyllene       | < LOD  | < LOD | 0.03  | 0.09 | trans-2-Pinanol     | < LOD | < LOD | 0.03    | 0.09   |
| Isoborneol, (-)-    | < LOD  | < LOD | 0.008 | 0.09 | gamma-Elementene    | < LOD | < LOD | 0.03    | 0.09   |
| Cannabigerolic Acid | < LOD  | < LOD | 0.03  | 0.09 | beta-Elementene     | < LOD | < LOD | 0.03    | 0.09   |
| α-Thujone           | < LOD  | < LOD | 0.03  | 0.09 | Sabinene Hydrate    | < LOD | < LOD | 0.03    | 0.09   |
| d9-THC              | < LOD  | < LOD | 0.03  | 0.09 |                     |       |       |         |        |

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## CANNABINOIDS

|        |        |      |      |      | HPLC-PDA |        |      |      |      |
|--------|--------|------|------|------|----------|--------|------|------|------|
|        | mass % | mg/g | LOD  | LOQ  |          | mass % | mg/g | LOD  | LOQ  |
| Δ9-THC | 0      | 0    | 0.01 | 0.03 | Δ8-THC   | 0      | 0    | 0.01 | 0.03 |
| THCa   | 0      | 0    | 0.01 | 0.03 | THCV     | 0      | 0    | 0.01 | 0.03 |
| CBD    | 0      | 0    | 0.01 | 0.03 | THCVa    | 0      | 0    | 0.01 | 0.03 |
| CBDa   | 0      | 0    | 0.01 | 0.03 | CBDV     | 0      | 0    | 0.01 | 0.03 |
| CBG    | 0      | 0    | 0.01 | 0.03 | CBDVa    | 0      | 0    | 0.01 | 0.03 |
| CBGa   | 0      | 0    | 0.01 | 0.03 | CBCV     | 0      | 0    | 0.01 | 0.03 |
| CBN    | 0      | 0    | 0.01 | 0.03 | CBCO     | 0      | 0    | 0.01 | 0.03 |
| CBNa   | 0      | 0    | 0.01 | 0.03 | CBL      | 0      | 0    | 0.01 | 0.03 |
| CBC    | 0      | 0    | 0.01 | 0.03 | CBLa     | 0      | 0    | 0.01 | 0.03 |
| CBCa   | 0      | 0    | 0.01 | 0.03 | CBT      | 0      | 0    | 0.01 | 0.03 |

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**PESTICIDES**

|                     |       |       |       |                  |       |       |       |
|---------------------|-------|-------|-------|------------------|-------|-------|-------|
| 3-Hydroxycarbofur   | < LOD | 0.075 | 0.25  | Abamectin B1a    | < LOD | 0.15  | 0.45  |
| Acephate            | < LOD | 0.1   | 0.3   | Acetamiprid      | < LOD | 0.033 | 0.1   |
| Aldicarb Sulfone    | < LOD | 0.05  | 0.2   | Aldicarb         | < LOD | 0.075 | 0.25  |
| Aminocarb           | < LOD | 0.033 | 0.1   | Azoxystrobin     | < LOD | 0.05  | 0.2   |
| Benalaxyl           | < LOD | 0.05  | 0.15  | Bifenthrin       | < LOD | 0.05  | 0.2   |
| Bifenazate          | < LOD | 0.05  | 0.2   | Boscalid         | < LOD |       |       |
| Butafenacil         | < LOD | 0.05  | 0.15  | Carbaryl         | < LOD | 0.05  | 0.2   |
| Carbetamide         | < LOD | 0.05  | 0.15  | Carbofuran       | < LOD | 0.05  | 0.15  |
| Carboxin            | < LOD | 0.05  | 0.15  | Carfentrazone-et | < LOD | 0.05  | 0.2   |
| Chlorantraniliprole | < LOD | 0.075 | 0.25  | Chlorotoluron    | < LOD | 0.05  | 0.2   |
| Chloroxuron         | < LOD | 0.05  | 0.15  | Chlorpyrifos     | < LOD | 0.075 | 0.25  |
| Clofentezine        | < LOD |       |       | Clothianidin     | < LOD | 0.05  | 0.15  |
| Cyazofamid          | < LOD | 0.05  | 0.15  | Cycluron         | < LOD | 0.05  | 0.15  |
| Diazinon            | < LOD | 0.05  | 0.2   | Diccrotophos     | < LOD | 0.05  | 0.15  |
| Diethofencarb       | < LOD | 0.05  | 0.15  | Dimethoate       | < LOD | 0.05  | 0.2   |
| Dimethomorph        | < LOD | 0.05  | 0.2   | Dimoxystrobin    | < LOD | 0.05  | 0.15  |
| Diuron              | < LOD | 0.1   | 0.3   | Epoxiconazole    | < LOD | 0.075 | 0.25  |
| Ethiofencarb        | < LOD | 0.075 | 0.25  | Ethoprophos      | < LOD | 0.1   | 0.4   |
| Etofenprox          | < LOD | 0.04  | 0.125 | Etoazole         | < LOD | 0.05  | 0.2   |
| Fenamidone          | < LOD | 0.05  | 0.15  | Fenazaquin       | < LOD | 0.05  | 0.2   |
| Fenoxycarb          | < LOD | 0.05  | 0.2   | Fenpyroximate    | < LOD | 0.04  | 0.125 |
| Fenuron             | < LOD | 0.033 | 0.1   | Fipronil         | < LOD | 0.1   | 0.3   |
| Flonicamid          | < LOD |       |       | Fluazinam        | < LOD | 0.075 | 0.25  |
| Fludioxonil         | < LOD |       |       | Flufenacet       | < LOD | 0.05  | 0.2   |
| Fluometuron         | < LOD | 0.05  | 0.2   | Flutolanil       | < LOD | 0.05  | 0.2   |
| Fuberidazole        | < LOD | 0.033 | 0.1   | Furalaxyl        | < LOD | 0.05  | 0.15  |
| Furathiocarb        | < LOD | 0.05  | 0.2   | Hexythiazox      | < LOD | 0.05  | 0.2   |
| Imazalil            | < LOD | 0.1   | 0.4   | Imidacloprid     | < LOD | 0.05  | 0.2   |
| Indoxacarb          | < LOD | 0.05  | 0.2   | Iprovalicarb     | < LOD | 0.05  | 0.2   |
| Isoprocarb          | < LOD | 0.075 | 0.25  | Isoproturon      | < LOD | 0.05  | 0.15  |
| Kresoxym-methyl     | < LOD | 0.1   | 0.3   | Malathion        | < LOD | 0.05  | 0.2   |
| Mandipropamid       | < LOD | 0.05  | 0.2   | Mefenacet        | < LOD | 0.05  | 0.15  |
| Metalaxyl           | < LOD | 0.033 | 0.1   | Methabenzthiazu  | < LOD | 0.05  | 0.15  |
| Methamidophos       | < LOD | 0.05  | 0.15  | Methiocarb       | < LOD |       |       |
| Methomyl            | < LOD | 0.05  | 0.2   | Methoprotryne    | < LOD | 0.05  | 0.2   |
| Methoxyfenozide     | < LOD | 0.05  | 0.15  | Mexacarbate      | < LOD | 0.033 | 0.1   |
| Monocrotophos       | < LOD | 0.05  | 0.15  | Myclobutanil     | < LOD | 0.075 | 0.25  |
| Nitenpyram          | < LOD | 0.05  | 0.15  | Omethoate        | < LOD | 0.05  | 0.2   |
| Oxadixyl            | < LOD | 0.075 | 0.25  | Oxamyl           | < LOD | 0.033 | 0.1   |
| Paclobutrazol       | < LOD | 0.05  | 0.15  | Permethrin       | < LOD | 0.05  | 0.2   |
| Phosmet             | < LOD |       |       | Picoxystrobin    | < LOD | 0.05  | 0.2   |
| Piperonyl Butoxide  | < LOD | 0.05  | 0.15  | Pirimicarb       | < LOD | 0.05  | 0.15  |
| Prometon            | < LOD | 0.05  | 0.2   | Propamocarb      | < LOD | 0.04  | 0.125 |
| Propargite          | < LOD | 0.05  | 0.15  | Propoxur         | < LOD | 0.04  | 0.125 |
| Pymetrozine         | < LOD | 0.05  | 0.2   | Pyracarbolid     | < LOD | 0.04  | 0.125 |
| Pyraclostrobin      | < LOD | 0.1   | 0.3   | Pyrethrin I      | < LOD |       |       |
| Pyrethrin II        | < LOD | 0.075 | 0.25  | Pyridaben        | < LOD | 0.05  | 0.2   |
| Pyriproxyfen        | < LOD | 0.04  | 0.125 | Quinoxifen       | < LOD | 0.033 | 0.1   |
| Rotenone            | < LOD | 0.05  | 0.15  | Spinosad A       | < LOD | 0.05  | 0.2   |
| Spinosad D          | < LOD | 0.05  | 0.2   | Spiromesifen     | < LOD | 0.04  | 0.125 |
| Spirotetramat       | < LOD | 0.033 | 0.1   | Spiroxamine      | < LOD | 0.05  | 0.15  |
| Tebuconazole        | < LOD |       |       | Tebufenozide     | < LOD | 0.05  | 0.15  |
| Tebuthiuron         | < LOD |       |       | Thiacloprid      | < LOD | 0.05  | 0.15  |
| Thiamethoxam        | < LOD | 0.05  | 0.2   | Thiobencarb      | < LOD | 0.05  | 0.2   |
| Thiophanate-Methy   | < LOD | 0.033 | 0.1   | Tricyclazole     | < LOD | 0.05  | 0.15  |
| Trifloxystrobin     | < LOD | 0.05  | 0.2   | Triflumizole     | < LOD | 0.05  | 0.15  |
| Uniconazole         | < LOD | 0.1   | 0.4   | Vamidothion      | < LOD | 0.033 | 0.1   |
| Zoxamide            | < LOD | 0.05  | 0.2   |                  |       |       |       |



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### HEAVY METALS

|              | µg/g  | LOD   | LOQ   |
|--------------|-------|-------|-------|
| Arsenic (As) | < LOD | 0.004 | 0.012 |
| Cadmium (Cd) | < LOD | 0.002 | 0.008 |
| Lead (Pb)    | < LOD | 0.002 | 0.004 |
| Mercury (Hg) | < LOD | 0.004 | 0.018 |

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