



Accreditation #120090

Proficiency Testing:  
ATSM & PHENOVA

# ANALYTICAL

## Delta 9 Analytical

Professional, Accurate, Responsive

**Laboratory Location**

6308 Angus Drive, Ste B  
Raleigh NC 27617  
919-673-7153 / 919-450-1870  
frank@delta9analytical.com  
michael@delta9analytical.com

NC Controlled Substance License #:  
NC-DHHS-1004369  
DEA Controlled Substance License #:  
RD0577986

Client Name: **The Hemp Collect**  
Client Address:

Sample ID: **25868**  
Received Date: 07112025  
Reported Date: 07182025  
Test(s) Ordered: **Full Panel**

Sample Name: **Sour Diesel**  
Sample Type: Plant  
Sample Matrix: **Flower**  
Sample Size: 10g

**CANNABINOID SUMMARY**

**TOTAL CANNABINOIDS: 24.05%**  
**THCA: 23.57%**  
**TOTAL THC: 20.79%**  
**Δ9-THC: 0.1218%**

**CANNABINOIDS** (Liquid Chromatography Mass Spectrometry - LCMS)MOISTURE (loss on drying): **NT**

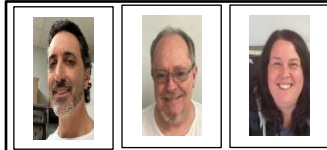
| ANALYTE                           | MASS (%)      | MASS (mg/g)  | LOQ (%) | ANALYTE                       | MASS (%)      | MASS (mg/g)   | LOQ (%) |
|-----------------------------------|---------------|--------------|---------|-------------------------------|---------------|---------------|---------|
| Cannabinol (CBN)                  | ND            | ND           | 0.049   | 9S-Hexahydrocannabinol (HHCS) | ND            | ND            | 0.049   |
| Δ8-THC                            | ND            | ND           | 0.049   | 9R-Hexahydrocannabinol (HHCR) | ND            | ND            | 0.049   |
| Cannabichromene (CBC)             | ND            | ND           | 0.049   | Cannabidiolic Acid (CBDA)     | ND            | ND            | 0.049   |
| Cannabigerol (CBG)                | ND            | ND           | 0.049   | <b>Δ9-THC Acid (THCA)</b>     | <b>23.57</b>  | <b>235.69</b> | 0.049   |
| Cannabidiol (CBD)                 | ND            | ND           | 0.049   | THC-varian (THCV)             | ND            | ND            | 0.049   |
| <b>Cannabigerolic Acid (CBGA)</b> | <b>0.3607</b> | <b>3.607</b> | 0.049   | <b>***Δ9-THC</b>              | <b>0.1218</b> | <b>1.218</b>  | 0.049   |
| Cannabidivarin (CBDV)             | ND            | ND           | 0.049   | <b>**TOTAL CANNABINOIDS</b>   | <b>24.05</b>  | <b>240.5</b>  |         |
| Cannabidivarin Acid (CBDVA)       | ND            | ND           | 0.049   | <b>*TOTAL THC</b>             | <b>20.79</b>  | <b>207.9</b>  |         |
| Cannabicitran (CBT)               | ND            | ND           | 0.049   | <b>*TOTAL CBD</b>             | ND            | ND            |         |
| 6aR,9S-Δ10-THC                    | ND            | ND           | 0.049   | <b>*TOTAL CBG</b>             | <b>0.3163</b> | <b>3.163</b>  |         |
| 6aR,9R-Δ10-THC                    | ND            | ND           | 0.049   | <b>*TOTAL CBDV</b>            | ND            | ND            |         |
| THC-O-Acetate (THCO)              | ND            | ND           | 0.049   | TOTAL Δ10-THC                 | ND            | ND            |         |
| THCp                              | ND            | ND           | 0.049   | TOTAL HHC                     | ND            | ND            |         |

\*Calculated as follows: Total CBD/G/V = CBDA/GA/VA% (0.877) + CBD/G/V%. Total THC = THCA%\*(0.877) + Δ9-THC%. \*\*Total Cannabinoids is the absolute sum of all cannabinoids detected. **ND = Not Detected; NT = Not Tested**

**RESULT CERTIFICATION**

07182025

*Frank P. Mauro/Michael R. Horton/Brittany A. Meggs*  
Frank P. Mauro COO/Michael R. Horton CSO & Date



Scan QR Code to  
verify COA at  
[www.delta9analytical.com](http://www.delta9analytical.com)

Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) In the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. **\*\*\*The measurement of uncertainty = 0.04985%. This report may not be reproduced, except in full, without the written approval of D9A. Test(s) Ordered: Full Panel (Pesticides, HMetals, Microbials – SJLabs, Macan GA with ISO/IEC 17025:201 #116065 and DEA# RS0581315). RSolvents and Mycotoxins are not covered under ISO/IEC 17025:2017 Scope of Accreditation.**

NC Controlled Substance License #: NC-DHHS-1004369  
DEA Controlled Substance License #: RD0577986



**Laboratory Location**  
6308 Angus Drive, Ste B  
Raleigh NC 27617  
919-673-7153 / 919-450-1870  
frank@delta9analytical.com  
michael@delta9analytical.com

## PESTICIDES (67 pesticides by Liquid Chromatography Mass Spectrometry – LCMS; ND = Not Detected)

| ANALYTE              | LOQ (PPB) | Limit (PPB) | Results (PPB) | ANALYTE          | LOQ (PPB) | Limit (PPB) | Results (PPB) | ANALYTE                 | LOQ (PPB) | Limit (PPB) | Results (PPB) |
|----------------------|-----------|-------------|---------------|------------------|-----------|-------------|---------------|-------------------------|-----------|-------------|---------------|
| Abamectin            | 100       | ---         | ND            | Diazinon         | 100       | ---         | ND            | Myclobutanil            | 100       | ---         | ND            |
| Acephate             | 100       | ---         | ND            | Dimethoate       | 100       | ---         | ND            | Oxamyl                  | 100       | ---         | ND            |
| Acequinocyl          | 100       | ---         | ND            | Dimethomorph     | 100       | ---         | ND            | Pacllobutrazol          | 100       | ---         | ND            |
| Acetamiprid          | 100       | ---         | ND            | Ethoprofos       | 100       | ---         | ND            | Pentachloronitrobenzene | 100       | ---         | ND            |
| Aldicarb             | 100       | ---         | ND            | Etofenprox       | 100       | ---         | ND            | Permethrin              | 100       | ---         | ND            |
| Azoxystrobin         | 100       | ---         | ND            | Etoxazole        | 100       | ---         | ND            | Phosmet                 | 100       | ---         | ND            |
| Bifenazate           | 100       | ---         | ND            | Fenhexamid       | 100       | ---         | ND            | Piperonyl Butoxide      | 100       | ---         | ND            |
| Bifenthrin           | 100       | ---         | ND            | Fenoxycarb       | 100       | ---         | ND            | Prallethrin             | 100       | ---         | ND            |
| Boscalid             | 100       | ---         | ND            | Fenpyrozimate    | 100       | ---         | ND            | Propiconazole           | 100       | ---         | ND            |
| Captan               | 1000      | ---         | ND            | Fipronil         | 100       | ---         | ND            | Propoxur                | 100       | ---         | ND            |
| Carbaryl             | 100       | ---         | ND            | Fonicamid        | 100       | ---         | ND            | Pyrethrins              | 100       | ---         | ND            |
| Carbofuran           | 100       | ---         | ND            | Fludioxonil      | 100       | ---         | ND            | Pyridaben               | 100       | ---         | ND            |
| Chlorantraniliprole  | 100       | ---         | ND            | Fluoxastrobin    | 100       | ---         | ND            | Spinetoram              | 100       | ---         | ND            |
| Chlordane            | 100       | ---         | ND            | Hexythiazox      | 100       | ---         | ND            | Spinosad                | 100       | ---         | ND            |
| Chlorfenapyr         | 100       | ---         | ND            | Imazalil         | 100       | ---         | ND            | Spinoxamine             | 100       | ---         | ND            |
| Chlormequat Chloride | 100       | ---         | ND            | Imidacloprid     | 100       | ---         | ND            | Spiromesifen            | 100       | ---         | ND            |
| Chlorpyrifos         | 100       | ---         | ND            | Kresoxim Methyl  | 100       | ---         | ND            | Spirotetramat           | 100       | ---         | ND            |
| Clofentezine         | 100       | ---         | ND            | Malathion        | 100       | ---         | ND            | Tebuconazole            | 100       | ---         | ND            |
| Coumaphos            | 100       | ---         | ND            | Metalaxyl        | 100       | ---         | ND            | Thiacloprid             | 100       | ---         | ND            |
| Cyfluthrin           | 100       | ---         | ND            | Methiocarb       | 100       | ---         | ND            | Thiamethoxam            | 100       | ---         | ND            |
| Cypermethrin         | 100       | ---         | ND            | Methomyl         | 100       | ---         | ND            | Trifloxystrobin         | 100       | ---         | ND            |
| Daminozide           | 100       | ---         | ND            | methyl parathion | 100       | ---         | ND            |                         |           |             |               |
| Dichlorvos           | 100       | ---         | ND            | Mevinphos        | 100       | ---         | ND            |                         |           |             |               |

### HEAVY METALS

| Analyte | LOQ (PPB) | Results (PPB) | Limit (PPB) |
|---------|-----------|---------------|-------------|
| Cadmium | 10        | ND            | ---         |
| Lead    | 10        | ND            | ---         |
| Arsenic | 10        | ND            | ---         |
| Mercury | 10        | ND            | ---         |

Method: ICP-MS ND = Not Detected

### MYCOTOXINS

| Toxin            | LOQ (PPB) | Results (PPB) | Limit (PPB) |
|------------------|-----------|---------------|-------------|
| Aflatoxin B1     | 5         | ND            | ---         |
| Aflatoxin B2     | 5         | ND            | ---         |
| Aflatoxin G1     | 5         | ND            | ---         |
| Aflatoxin G2     | 5         | ND            | ---         |
| TOTAL Aflatoxins | 20        | ND            | ---         |
| Ochratoxin A     | 5         | ND            | ---         |

Method: LCMS ND = Not Detected

### MICROBIALS

| Organism                   | LOQ (CFU) | Results (CFU) | Limit (CFU) |
|----------------------------|-----------|---------------|-------------|
| Aspergillus fumigatus      | 10        | ND            | ---         |
| Aspergillus terreus        | 10        | ND            | ---         |
| Aspergillus niger          | 10        | ND            | ---         |
| Aspergillus flavus         | 10        | ND            | ---         |
| <b>Total Coliform</b>      | <b>10</b> | <b>600</b>    | <b>---</b>  |
| BTGN                       | 10        | ND            | ---         |
| STEC                       | 1         | ND            | ---         |
| Salmonella                 | 1         | ND            | ---         |
| <b>Total Yeast/Mold</b>    | <b>10</b> | <b>1800</b>   | <b>---</b>  |
| <b>Total Aerobic Count</b> | <b>10</b> | <b>1400</b>   | <b>---</b>  |

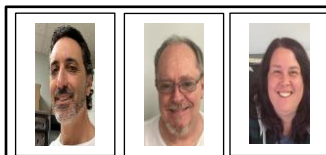
Method: DRBC agar and Petrifilm

### RESULT CERTIFICATION

07182025

*Frank P. Mauro/Michael R. Horton/Brittany A. Magga*

Frank P. Mauro COO/Michael R. Horton CSO & Date



Scan QR Code to verify COA at [www.delta9analytical.com](http://www.delta9analytical.com)

Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) In the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. \*\*\*The measurement of uncertainty = 0.04985%. This report may not be reproduced, except in full, without the written approval of D9A. Test(s) Ordered: Full Panel (Pesticides, HMetals, Microbials – SJLabs, Macan GA with ISO/IEC 17025:201 #116065 and DEA# RS0581315). RSolvents and Mycotoxins are not covered under ISO/IEC 17025:2017 Scope of Accreditation.

NC Controlled Substance License #:  
NC-DHHS-1004369  
DEA Controlled Substance License #:  
RD0577986



**Laboratory Location**  
6308 Angus Drive, Ste B  
Raleigh NC 27617  
919-673-7153 / 919-450-1870  
frank@delta9analytical.com  
michael@delta9analytical.com

### RESIDUAL SOLVENTS

| Solvent            | Result (PPM) | LOQ (PPM) | LIMIT (PPM) | Solvent                | Result (PPM) | LOQ (PPM) | LIMIT (PPM) | Solvent          | Result (PPM) | LOQ (PPM) | LIMIT (PPM) |
|--------------------|--------------|-----------|-------------|------------------------|--------------|-----------|-------------|------------------|--------------|-----------|-------------|
| Acetone            | ND           | 25        | ---         | Ethanol                | ND           | 100       | ---         | 2-Propanol       | ND           | 25        | ---         |
| Acetonitrile       | ND           | 5         | ---         | Ethyl Acetate          | ND           | 5         | ---         | Toluene          | ND           | 1         | ---         |
| Benzene            | ND           | 1         | ---         | (C7) <i>n</i> -Heptane | ND           | 5         | ---         | Trichloroethene  | ND           | 1         | ---         |
| Chloroform         | ND           | 1         | ---         | (C6) <i>n</i> -Hexane  | ND           | 5         | ---         | <i>m</i> -Xylene | ND           | 1         | ---         |
| Cyclohexane        | ND           | 6         | ---         | Methanol               | ND           | 25        | ---         | <i>o</i> -Xylene | ND           | 1         | ---         |
| 1,2-Dichloroethane | ND           | 1         | ---         | Methylene Chloride     | ND           | 1         | ---         | <i>p</i> -Xylene | ND           | 1         | ---         |
| Diethyl ether      | ND           | 20        | ---         | (C5) <i>n</i> -Pentane | ND           | 5         | ---         | Butane           | ND           | 5         | ---         |

Performed on GC FID

ND = Not Detected

# ANALYTICAL

## Delta 9 Analytical

Professional, Accurate, Responsive

### RESULT CERTIFICATION

07182025

*Frank P. Maurio / Michael R. Horton / Brittany A. Maggs*

Frank P. Maurio COO / Michael R. Horton CSO & Date



Scan QR Code to  
verify COA at  
[www.delta9analytical.com](http://www.delta9analytical.com)

Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) in the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. \*\*\*The measurement of uncertainty = 0.04985%. This report may not be reproduced, except in full, without the written approval of D9A. **Test(s) Ordered:** Full Panel (Pesticides, HMetals, Microbials – SJLabs, Macan GA with ISO/IEC 17025:201 #116065 and DEA# RS0581315). RSolvents and Mycotoxins are not covered under ISO/IEC 17025:2017 Scope of Accreditation.