

**PharmLabs San Diego** Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC  
 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368



Sample **D9 Syrup Strawberry**

|  |  |
|--|--|
| Sample ID <b>SD221231-001 (59283)</b>                          | Matrix <b>Edible (Other Cannabis Good)</b> |
| Tested for <b>Southern Hemp LLC</b>                            |  |
| Sampled -  | Received <b>Dec 30, 2022</b>               |
|  | Reported <b>Jan 05, 2023</b>               |
| Analyses executed <b>CAN+, RES, MIBNIG, MTO, PES, HME, FVI</b> | Unit Volume (mL) <b>120.0</b>              |
|  | Density (g/mL) <b>1.345</b>                |

**CAN+ - Cannabinoids Analysis**

Analyzed **Jan 04, 2023** | Instrument **HPLC-VWD** | Method **SOP-001**  
 Measurement Uncertainty at 95% confidence **7.806%**

| Analyte   | LOD mg/g | LOQ mg/g | Result %    | Result mg/mL | Result mg/Unit |
|---|----------|----------|-------------|--------------|----------------|
| Cannabidiarin (CBDV)                                    | 0.039    | 0.16     | ND          | ND           | ND             |
| Cannabidiolic Acid (CBDA)                               | 0.001    | 0.16     | ND          | ND           | ND             |
| Cannabigerol Acid (CBGA)                                | 0.001    | 0.16     | ND          | ND           | ND             |
| Cannabigerol (CBG)                                      | 0.001    | 0.16     | ND          | ND           | ND             |
| Cannabidiol (CBD)                                       | 0.001    | 0.16     | ND          | ND           | ND             |
| Tetrahydrocannabivarin (THCV)                           | 0.001    | 0.16     | ND          | ND           | ND             |
| Cannabinol (CBN)  | 0.001    | 0.16     | ND          | ND           | ND             |
| Tetrahydrocannabinol (Δ9-THC)                           | 0.003    | 0.16     | 0.28        | 3.72         | 446.99         |
| Δ8-tetrahydrocannabinol (Δ8-THC)                        | 0.004    | 0.16     | 0.00        | 0.06         | 7.80           |
| Cannabicyclol (CBL)                                     | 0.002    | 0.16     | ND          | ND           | ND             |
| Cannabichromene (CBC)                                   | 0.002    | 0.16     | ND          | ND           | ND             |
| Tetrahydrocannabinolic Acid (THCA)                      | 0.001    | 0.16     | ND          | ND           | ND             |
| <b>Total THC (THCa * 0.877 + Δ9THC)</b>                 |          |          | <b>0.28</b> | <b>3.72</b>  | <b>446.99</b>  |
| <b>Total THC + Δ8THC (THCa * 0.877 + Δ9THC + Δ8THC)</b> |          |          | <b>0.28</b> | <b>3.78</b>  | <b>454.79</b>  |
| <b>Total CBD (CBDa * 0.877 + CBD)</b>                   |          |          | <b>ND</b>   | <b>ND</b>    | <b>ND</b>      |
| <b>Total CBG (CBGa * 0.877 + CBG)</b>                   |          |          | <b>ND</b>   | <b>ND</b>    | <b>ND</b>      |
| <b>Total Cannabinoids</b>                               |          |          | <b>0.28</b> | <b>3.78</b>  | <b>454.79</b>  |

Sample photography



Serving Size: 2ml  
 THC per serving: 7.56mg  
 Serving per unit: 30

**HME - Heavy Metals Detection Analysis**

Analyzed **Jan 04, 2023** | Instrument **ICP/MSMS** | Method **SOP-005**

| Analyte      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|--------------|----------|----------|-------------|------------|--------------|----------|----------|-------------|------------|
| Arsenic (As) | 0.0002   | 0.0005   | 0.00        | 1.5        | Cadmium (Cd) | 3.0e-05  | 0.0005   | <LOQ        | 0.5        |
| Mercury (Hg) | 1.0e-05  | 0.0001   | <LOQ        | 3          | Lead (Pb)    | 1.0e-05  | 0.00125  | 0.00        | 0.5        |

**MIBNIG - Microbial Testing Analysis**

Analyzed **Jan 03, 2023** | Instrument **Plating** | Method **SOP-007**

| Analyte                                | Result CFU/g | Limit         | Analyte         | Result CFU/g | Limit         |
|--|--------------|---------------|-----------------|--------------|---------------|
| Shiga toxin-producing Escherichia Coli | ND           | ND per 1 gram | Salmonella spp. | ND           | ND per 1 gram |

**MTO - Mycotoxin Testing Analysis**

Analyzed **Jan 05, 2023** | Instrument **LC/MSMS** | Method **SOP-004**

| Analyte      | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg | Analyte          | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg |
|--------------|-----------|-----------|--------------------|-------------|------------------|-----------|-----------|--------------------|-------------|
| Ochratoxin A | 5.0       | 20.0      | ND                 | 20          | Aflatoxin B1     | 2.5       | 5.0       | ND                 | -           |
| Aflatoxin B2 | 2.5       | 5.0       | ND                 | -           | Aflatoxin G1     | 2.5       | 5.0       | ND                 | -           |
| Aflatoxin G2 | 2.5       | 5.0       | ND                 | -           | Total Aflatoxins | 10.0      | 20.0      | ND                 | 20          |

UI Not Identified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Thu, 05 Jan 2023 11:37:57 -0800

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PES - Pesticides Screening Analysis

Analyzed Jan 05, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

| Analyte                 | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte               | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|-------------------------|----------|----------|-------------|------------|-----------------------|----------|----------|-------------|------------|
| Aldicarb                | 0.0078   | 0.02     | ND          | 0.0078     | Carbofuran            | 0.01     | 0.02     | ND          | 0.01       |
| Dimethoate              | 0.01     | 0.02     | ND          | 0.01       | Etofenprox            | 0.02     | 0.1      | ND          | 0.02       |
| Fenoxycarb              | 0.01     | 0.02     | ND          | 0.01       | Thiachloprid          | 0.01     | 0.02     | ND          | 0.01       |
| Daminozide              | 0.01     | 0.03     | ND          | 0.01       | Dichlorvos            | 0.02     | 0.07     | ND          | 0.02       |
| Imazalil                | 0.02     | 0.07     | ND          | 0.02       | Methiocarb            | 0.01     | 0.02     | ND          | 0.01       |
| Spiroxamine             | 0.01     | 0.02     | ND          | 0.01       | Coumaphos             | 0.01     | 0.02     | ND          | 0.01       |
| Fipronil                | 0.01     | 0.1      | ND          | 0.01       | Paclbutrazol          | 0.01     | 0.03     | ND          | 0.01       |
| Chlorpyrifos            | 0.01     | 0.04     | ND          | 0.01       | Ethoprophos (Prophos) | 0.01     | 0.02     | ND          | 0.01       |
| Baygon (Propoxur)       | 0.01     | 0.02     | ND          | 0.01       | Chlordane             | 0.04     | 0.1      | ND          | 0.04       |
| Chlorfenapyr            | 0.03     | 0.1      | ND          | 0.03       | Methyl Parathion      | 0.02     | 0.1      | ND          | 0.02       |
| Mevinphos               | 0.03     | 0.08     | ND          | 0.03       | Abamectin             | 0.03     | 0.08     | ND          | 0.3        |
| Acephate                | 0.02     | 0.05     | ND          | 5          | Acetamidrid           | 0.01     | 0.05     | ND          | 5          |
| Azoxystrobin            | 0.01     | 0.02     | ND          | 40         | Bifenazate            | 0.01     | 0.05     | ND          | 5          |
| Bifenthrin              | 0.02     | 0.35     | ND          | 0.5        | Boscalid              | 0.01     | 0.03     | ND          | 10         |
| Carbaryl                | 0.01     | 0.02     | ND          | 0.5        | Chlorantraniliprole   | 0.01     | 0.04     | ND          | 40         |
| Clofentezine            | 0.01     | 0.03     | ND          | 0.5        | Diazinon              | 0.01     | 0.02     | ND          | 0.2        |
| Dimethomorph            | 0.02     | 0.06     | ND          | 20         | Etoxazole             | 0.01     | 0.05     | ND          | 1.5        |
| Fenpyroximate           | 0.02     | 0.1      | ND          | 2          | Fonicamid             | 0.01     | 0.02     | ND          | 2          |
| Fludioxonil             | 0.01     | 0.05     | ND          | 30         | Hexythiazox           | 0.01     | 0.03     | ND          | 2          |
| Imidacloprid            | 0.01     | 0.05     | ND          | 3          | Kresoxim-methyl       | 0.01     | 0.03     | ND          | 1          |
| Malathion               | 0.01     | 0.05     | ND          | 5          | Metalaxyl             | 0.01     | 0.02     | ND          | 15         |
| Methomyl                | 0.02     | 0.05     | ND          | 0.1        | Myclobutanil          | 0.02     | 0.07     | ND          | 9          |
| Naled                   | 0.01     | 0.02     | ND          | 0.5        | Oxamyl                | 0.01     | 0.02     | ND          | 0.2        |
| Permethrin              | 0.01     | 0.02     | ND          | 20         | Phosmet               | 0.01     | 0.02     | ND          | 0.2        |
| Piperonyl Butoxide      | 0.02     | 0.06     | ND          | 8          | Propiconazole         | 0.03     | 0.08     | ND          | 20         |
| Prallethrin             | 0.02     | 0.05     | ND          | 0.4        | Pyrethrin             | 0.05     | 0.41     | ND          | 1          |
| Pyridaben               | 0.02     | 0.07     | ND          | 3          | Spinosad A            | 0.01     | 0.05     | ND          | 3          |
| Spinosad D              | 0.01     | 0.05     | ND          | 3          | Spiromesifen          | 0.02     | 0.06     | ND          | 12         |
| Spirotetramat           | 0.01     | 0.02     | ND          | 13         | Tebuconazole          | 0.01     | 0.02     | ND          | 2          |
| Thiamethoxam            | 0.01     | 0.02     | ND          | 4.5        | Trifloxystrobin       | 0.01     | 0.02     | ND          | 30         |
| Acequinocyl             | 0.02     | 0.09     | ND          | 4          | Captan                | 0.01     | 0.02     | ND          | 5          |
| Cypermethrin            | 0.02     | 0.1      | ND          | 1          | Cyfluthrin            | 0.04     | 0.1      | ND          | 1          |
| Fenhexamid              | 0.02     | 0.07     | ND          | 10         | Spinetoram J.L        | 0.02     | 0.07     | ND          | 3          |
| Pentachloronitrobenzene | 0.01     | 0.1      | ND          | 0.2        |                       |          |          |             |            |

RES - Residual Solvents Testing Analysis

Analyzed Jan 03, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

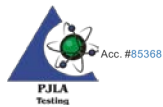
| Analyte                    | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte                      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|----------------------------|----------|----------|-------------|------------|------------------------------|----------|----------|-------------|------------|
| Propane (Prop)             | 0.4      | 40.0     | ND          | 5000.0     | Butane (But)                 | 0.4      | 40.0     | ND          | 5000.0     |
| Methanol (Metha)           | 0.4      | 40.0     | ND          | 3000.0     | Ethylene Oxide (EthOx)       | 0.4      | 0.8      | ND          | 1.0        |
| Pentane (Pen)              | 0.4      | 40.0     | ND          | 5000.0     | Ethanol (Ethan)              | 0.4      | 40.0     | ND          | 5000.0     |
| Ethyl Ether (EthEt)        | 0.4      | 40.0     | ND          | 5000.0     | Acetone (Acet)               | 0.4      | 40.0     | ND          | 5000.0     |
| Isopropanol(2-Pro)         | 0.4      | 40.0     | ND          | 5000.0     | Acetonitrile (Acetonit)      | 0.4      | 40.0     | ND          | 410.0      |
| Methylene Chloride (MetCh) | 0.4      | 0.8      | ND          | 1.0        | Hexane (Hex)                 | 0.4      | 40.0     | ND          | 290.0      |
| Ethyl Acetate (EthAc)      | 0.4      | 40.0     | ND          | 5000.0     | Chloroform (Clo)             | 0.4      | 0.8      | ND          | 1.0        |
| Benzene (Ben)              | 0.4      | 0.8      | ND          | 1.0        | 1,2-Dichloroethane (12-Dich) | 0.4      | 0.8      | ND          | 1.0        |
| Heptane (Hep)              | 0.4      | 40.0     | ND          | 5000.0     | Trichloroethylene (TriClEth) | 0.4      | 0.8      | ND          | 1.0        |
| Toluene (Toluene)          | 0.4      | 40.0     | ND          | 890.0      | Xylenes (Xyl)                | 0.4      | 40.0     | ND          | 2170.0     |

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Jan 03, 2023 | Instrument Microscope | Method SOP-010

| Analyte/Limit  | Result | Analyte/Limit  | Result |
|--|--------|--|--------|
| > 1/4 of the total sample area covered by sand, soil, cinders, or dirt | ND     | > 1/4 of the total sample area covered by mold                         | ND     |
| > 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g       | ND     | > 1/4 of the total sample area covered by an imbedded foreign material | ND     |

UI Not Identified  
 ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
 TNTC Too Numerous to Count



Authorized Signature

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Brandon Starr, Lab Manager  
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