

## PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC  
ISO/IEC 17025:2005 Certification L17-427-1 | Accreditation #85368

Sample **200615-D8300-Tincture**

|                   |                                       |                  |                                |
|-------------------|---------------------------------------|------------------|--------------------------------|
| Sample ID         | SD200629-001 (37555)                  | Matrix           | Tincture (Other Cannabis Good) |
| Tested for        | 3C LLC                                |                  |                                |
| Sampled           | -                                     | Received         | Jun 29, 2020                   |
|                   |                                       | Reported         | Jul 06, 2020                   |
| Analyses executed | CAN+, TER, RES, MIBNIG, MTO, PES, HME | Unit Volume (mL) | 30.0                           |
|                   |                                       | Density (g/mL)   | 0.972                          |

## CAN+ - Cannabinoid Profile Analysis

Analyzed Jun 30, 2020 | Instrument HPLC-VWD | Method SOP-001

| Analyte                                             | LOD ppm | LOQ ppm | Result % | Result mg/mL | Result mg/Unit |
|-----------------------------------------------------|---------|---------|----------|--------------|----------------|
| Cannabidiol (CBD)                                   |         |         | NT       | ND           | ND             |
| Cannabidiol Acid (CBDA)                             | 0.01    | 0.02    | 0.01     | 0.06         | 1.75           |
| Cannabigerol Acid (CBGA)                            | 0.03    | 0.08    | ND       | ND           | ND             |
| Cannabigerol (CBG)                                  | 0.03    | 0.09    | 0.01     | 0.12         | 3.50           |
| Cannabidiol (CBD)                                   | 0.01    | 0.04    | 0.08     | 0.78         | 23.33          |
| Tetrahydrocannabinol (THCV)                         |         |         | NT       | ND           | ND             |
| Cannabinol (CBN)                                    | 0.03    | 0.1     | 0.02     | 0.21         | 6.42           |
| Tetrahydrocannabinol ( $\Delta^9$ -THC)             | 0.04    | 0.15    | ND       | ND           | ND             |
| $\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC) | 0.08    | 0.24    | 0.92     | 9.47         | 284.02         |
| Cannabinol (CBL)                                    |         |         | NT       | ND           | ND             |
| Cannabichromene (CBC)                               |         |         | NT       | ND           | ND             |
| Tetrahydrocannabinolic Acid (THCA)                  | 0.03    | 0.11    | ND       | ND           | ND             |
| Total THC (THCa * 0.877 + THC)                      |         |         | -        | -            | -              |
| Total CBD (CBDA * 0.877 + CBD)                      |         |         | 0.08     | 0.81         | 24.86          |
| Total CBG (CBGa * 0.877 + CBG)                      |         |         | 0.01     | 0.11         | 3.50           |
| TOTAL CANNABINOIDS                                  |         |         | 1.03     | 10.33        | 318.80         |

## Sample photography



## HME - Heavy Metals Detection Analysis

Analyzed Jul 06, 2020 | 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   | 0.05     | ND          | 1.5        | Cadmium (Cd) | 3.0e-05  | 0.05     | ND          | 0.5        |
| Mercury (Hg) | 1.0e-05  | 0.01     | ND          | 3.0        | Lead (Pb)    | 1.0e-05  | 0.125    | 0.00        | 0.5        |

## MIBNIG - Microbial Testing Analysis

Analyzed Jul 01, 2020 | Instrument Plating | Method SOP-007

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

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



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## MTO - Mycotoxin Testing Analysis

Analyzed Jun 30, 2020 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg (ppb) | Limit<br>ug/kg | Analyte          | LOD<br>ug/kg | LOQ<br>ug/kg | Result<br>ug/kg (ppb) | Limit<br>ug/kg |
|--------------|--------------|--------------|-----------------------|----------------|------------------|--------------|--------------|-----------------------|----------------|
| Ochratoxin A | 0.78         | 1.56         | ND                    | 20             | Aflatoxin B1     | 0.78         | 1.56         | ND                    | 20             |
| Aflatoxin B2 | 0.78         | 1.56         | ND                    | 20             | Aflatoxin G1     | 0.78         | 1.56         | ND                    | 20             |
| Aflatoxin G2 | 0.78         | 1.56         | ND                    | 20             | Total Aflatoxins | 0.78         | 1.56         | ND                    | 20             |

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  
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## PES - Pesticides Screening Analysis

Analyzed Jun 30, 2020 | 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                | 0.025    | 0.1      | ND          | 0.025      | Carbofuran            | 0.025    | 0.1      | ND          | 0.025      |
| Dimethoate              | 0.025    | 0.1      | ND          | 0.025      | Etofenprox            | 0.025    | 0.1      | ND          | 0.025      |
| Fenoxycarb              | 0.025    | 0.1      | ND          | 0.025      | Thiacloprid           | 0.025    | 0.1      | ND          | 0.025      |
| Daminozide              | 0.025    | 0.1      | ND          | 0.025      | Dichlorvos            | 0.025    | 0.1      | ND          | 0.025      |
| Imazalil                | 0.025    | 0.1      | ND          | 0.025      | Methiocarb            | 0.025    | 0.1      | ND          | 0.025      |
| Spiroxamine             | 0.025    | 0.1      | ND          | 0.025      | Coumaphos             | 0.025    | 0.1      | ND          | 0.025      |
| Fipronil                | 0.025    | 0.1      | ND          | 0.025      | Paclobutrazol         | 0.025    | 0.1      | ND          | 0.025      |
| Chlorpyrifos            | 0.025    | 0.1      | ND          | 0.025      | Ethoprophos (Prophos) | 0.025    | 0.1      | ND          | 0.025      |
| Baygon (Propoxur)       | 0.025    | 0.1      | ND          | 0.025      | Chlordane             | 0.025    | 0.1      | ND          | 0.025      |
| Chlorfenapyr            | 0.025    | 0.1      | ND          | 0.025      | Methyl Parathion      | 0.025    | 0.1      | ND          | 0.025      |
| Mevinphos               | 0.025    | 0.1      | ND          | 0.025      | Abamectin             | 0.025    | 0.05     | ND          | 0.3        |
| Acephate                | 0.025    | 0.05     | ND          | 5          | Acetamiprid           | 0.025    | 0.05     | ND          | 5          |
| Azoxystrobin            | 0.025    | 0.05     | ND          | 40         | Bifenazate            | 0.025    | 0.05     | ND          | 5          |
| Bifenthrin              | 0.025    | 0.05     | ND          | 0.5        | Boscalid              | 0.025    | 0.05     | ND          | 10         |
| Carbaryl                | 0.025    | 0.05     | ND          | 0.5        | Chlorantraniliprole   | 0.025    | 0.05     | ND          | 40         |
| Clofentezine            | 0.025    | 0.05     | ND          | 0.5        | Diazinon              | 0.025    | 0.05     | ND          | 0.2        |
| Dimethomorph            | 0.025    | 0.05     | ND          | 20         | Etoazole              | 0.025    | 0.05     | ND          | 1.5        |
| Fenpyroximate           | 0.025    | 0.05     | ND          | 2          | Flonicamid            | 0.025    | 0.05     | ND          | 2          |
| Fludioxonil             | 0.025    | 0.05     | ND          | 30         | Hexythiazox           | 0.025    | 0.05     | ND          | 2          |
| Imidacloprid            | 0.025    | 0.05     | ND          | 3          | Kresoxim-methyl       | 0.025    | 0.05     | ND          | 1          |
| Malathion               | 0.025    | 0.05     | ND          | 5          | Metaxyl               | 0.025    | 0.05     | ND          | 15         |
| Methomyl                | 0.025    | 0.05     | ND          | 0.1        | Myclobutanil          | 0.025    | 0.05     | ND          | 9          |
| Naled                   | 0.025    | 0.05     | ND          | 0.5        | Oxamyl                | 0.025    | 0.05     | ND          | 0.2        |
| Permethrin              | 0.025    | 0.05     | ND          | 20         | Phosmet               | 0.025    | 0.05     | ND          | 0.2        |
| Piperonyl Butoxide      | 0.025    | 0.05     | ND          | 8          | Propiconazole         | 0.025    | 0.05     | ND          | 20         |
| Prallethrin             | 0.025    | 0.05     | ND          | 0.4        | Pyrethrin             | 0.025    | 0.05     | ND          | 1          |
| Pyridaben               | 0.025    | 0.05     | ND          | 3          | Spinosad A            | 0.025    | 0.05     | ND          | 3          |
| Spinosad D              | 0.025    | 0.05     | ND          | 3          | Spiromesifen          | 0.025    | 0.05     | ND          | 12         |
| Spirotetramat           | 0.025    | 0.05     | ND          | 13         | Tebuconazole          | 0.025    | 0.05     | ND          | 2          |
| Thiamethoxam            | 0.025    | 0.05     | ND          | 4.5        | Trifloxystrobin       | 0.025    | 0.05     | ND          | 30         |
| Acequinocyl             | 0.025    | 0.05     | ND          | 4          | Captan                | 0.025    | 0.05     | ND          | 5          |
| Cypermethrin            | 0.025    | 0.05     | ND          | 1          | Cyfluthrin            | 0.025    | 0.05     | ND          | 1          |
| Fenhexamid              | 0.025    | 0.05     | ND          | 10         | Spinetoram J,L        | 0.025    | 0.05     | ND          | 3          |
| Pentachloronitrobenzene | 0.025    | 0.05     | ND          | 0.2        |                       |          |          |             |            |

ND Not Detected  
 N/A Not Applicable  
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 LOD Limit of Detection  
 LOQ Limit of Quantification  
 <LOQ Detected  
 >ULOL Above upper limit of linearity  
 CFU/g Colony Forming Units per 1 gram  
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## RES - Residual Solvents Testing Analysis

Analyzed Jul 01, 2020 | 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       | Butane (But)                 | 0.4      | 40.0     | ND          | 5000       |
| Methanol (Metha)           | 0.4      | 40.0     | <LOQ        | 3000       | Ethylene Oxide (EthOx)       | 0.4      | 0.8      | ND          | 1          |
| Pentane (Pen)              | 0.4      | 40.0     | ND          | 5000       | Ethanol (Ethan)              | 0.4      | 40.0     | ND          | 5000       |
| Ethyl Ether (EthEt)        | 0.4      | 40.0     | ND          | 5000       | Acetone (Acet)               | 0.4      | 40.0     | <LOQ        | 5000       |
| Isopropanol (2-Pro)        | 0.4      | 40.0     | <LOQ        | 5000       | Acetonitrile (Acetonit)      | 0.4      | 40.0     | <LOQ        | 410        |
| Methylene Chloride (MetCh) | 0.4      | 0.8      | ND          | 1          | Hexane (Hex)                 | 0.4      | 40.0     | <LOQ        | 290        |
| Ethyl Acetate (EthAc)      | 0.4      | 40.0     | <LOQ        | 5000       | Chloroform (Clo)             | 0.4      | 0.8      | ND          | 1          |
| Benzene (Ben)              | 0.4      | 0.8      | ND          | 1          | 1-2-Dichloroethane (12-Dich) | 0.4      | 0.8      | ND          | 1          |
| Heptane (Hep)              | 0.4      | 40.0     | ND          | 5000       | Trichloroethylene (TriClEth) | 0.4      | 40.0     | ND          | 1          |
| Toluene (Toluene)          | 0.4      | 40.0     | ND          | 890        | M,P-Xylene (mp-xyl)          |          |          | ND          | 2170       |
| O-Xylene (o-xyl)           |          |          | ND          | 2170       |                              |          |          |             |            |

\*The limit of 2170 ug/g for M,P-Xylene (mp-xyl) and O-Xylene (o-xyl) is to be intended as the two analytes combined.

## TER - Terpenes Testing Analysis

Analyzed Jul 02, 2020 | Instrument GC/FID | Method SOP-002

| Analyte                               | (%) | (mg/g) | Analyte                              | (%)       | (mg/g) |
|---------------------------------------|-----|--------|--------------------------------------|-----------|--------|
| $\alpha$ -Pinene ( $\alpha$ -Pin)     | ND  | ND     | Camphene (Cam)                       | ND        | ND     |
| Myrcene (Myr)                         | ND  | ND     | b-Pinene (b-Pin)                     | ND        | ND     |
| 3-Carene (3-Car)                      | ND  | ND     | $\alpha$ -Terpinene ( $\alpha$ -Ter) | ND        | ND     |
| $\alpha$ -Ocimene ( $\alpha$ -Oci)    | ND  | ND     | Limonene (Lim)                       | ND        | ND     |
| p-Cymene (p-Cym)                      | ND  | ND     | b-Ocimene (b-Oci)                    | ND        | ND     |
| Eucalyptol (Euc)                      | ND  | ND     | g-Terpinene (g-Ter)                  | ND        | ND     |
| Terpenolene (Terp)                    | ND  | ND     | Linalool (Lin)                       | ND        | ND     |
| Isopulegol (Isop)                     | ND  | ND     | Geraniol (Gera)                      | ND        | ND     |
| b-Caryophyllene (b-Cary)              | ND  | ND     | $\alpha$ -Humulene (Hum)             | ND        | ND     |
| cis-Nerolidol (ci-Ner)                | ND  | ND     | trans-Nerolidol (tr-Ner)             | ND        | ND     |
| Guaiol (Gua)                          | ND  | ND     | Caryophyllene Oxide (CarOx)          | ND        | ND     |
| $\alpha$ -bisabolol ( $\alpha$ -Bbis) | ND  | ND     |                                      |           |        |
| Total Terpene Concentration           |     |        | 0.00 %                               | 0.00 mg/g |        |

ND Not Detected  
 N/A Not Applicable  
 NT Not Reported  
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 LOQ Limit of Quantification  
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