

PharmLabs San Diego Certificate of Analysis



Sample Lot 016: River Bluff 4mg Strawberry Acai Lemonade

|            |       |      |    |                                |       |            |    |
|------------|-------|------|----|--------------------------------|-------|------------|----|
| Delta9 THC | 0.00% | THCa | ND | Total THC (THCa * 0.877 + THC) | 0.00% | Delta8 THC | ND |
|------------|-------|------|----|--------------------------------|-------|------------|----|

|                   |                                       |               |              |
|-------------------|---------------------------------------|---------------|--------------|
| Sample ID         | SD250110-074 (104886)                 | Matrix        | Tincture     |
| Tested for        | River Bluff CBD                       |               |              |
| Sampled           | -                                     | Received      | Jan 10, 2025 |
| Analyses executed | CAN+, RES, MIBNIG, MTO, PES, HME, FVI | Reported      | Jan 15, 2025 |
|                   |                                       | Unit Mass (g) | 335.0        |

CAN+ - Cannabinoids

Analyzed Jan 13, 2025 | Instrument HPLC-VWD | Method SOP-001  
The expanded Uncertainty of the Cannabinoids analysis is approximately ±7.81% at the 95% Confidence Level

| Analyte                                          | LOD mg/g | LOQ mg/g | Result % | Result mg/g | Result mg/Unit | Sample photography |
|--------------------------------------------------|----------|----------|----------|-------------|----------------|--------------------|
| Cannabidiol (CBD)                                | 0.039    | 0.16     | ND       | ND          | ND             |                    |
| Cannabidiol (CBD)                                | 0.011    | 0.03     | ND       | ND          | ND             |                    |
| Cannabidiol (CBD)                                | 0.033    | 0.16     | ND       | ND          | ND             |                    |
| Cannabidiol (CBD)                                | 0.033    | 0.16     | ND       | ND          | ND             |                    |
| Cannabidiol (CBD)                                | 0.048    | 0.16     | ND       | ND          | ND             |                    |
| Cannabidiol (CBD)                                | 0.069    | 0.229    | ND       | ND          | ND             |                    |
| Tetrahydrocannabinol (THC)                       | 0.049    | 0.16     | ND       | ND          | ND             |                    |
| Cannabinol (CBN)                                 | 0.047    | 0.16     | ND       | ND          | ND             |                    |
| Tetrahydrocannabinol (THC)                       | 0.092    | 0.307    | 0.00     | 0.01        | 3.35           |                    |
| Δ8-tetrahydrocannabinol (Δ8-THC)                 | 0.044    | 0.16     | ND       | ND          | ND             |                    |
| Cannabicyclol (CBL)                              | 0.0012   | 0.16     | ND       | ND          | ND             |                    |
| Cannabichromene (CBC)                            | 0.13     | 0.432    | ND       | ND          | ND             |                    |
| Tetrahydrocannabinolic Acid (THCA)               | 0.117    | 0.389    | ND       | ND          | ND             |                    |
| Total THC (THCa * 0.877 + Δ9THC)                 |          |          | 0.00     | 0.01        | 3.35           |                    |
| Total THC + Δ8THC (THCa * 0.877 + Δ9THC + Δ8THC) |          |          | 0.00     | 0.01        | 3.35           |                    |
| Total CBD (CBDa * 0.877 + CBD)                   |          |          | ND       | ND          | ND             |                    |
| Total CBG (CBGa * 0.877 + CBG)                   |          |          | ND       | ND          | ND             |                    |
| Total Cannabinoids Analyzed                      |          |          | 0.00     | 0.01        | 3.35           |                    |

HME - Heavy Metals

Analyzed Jan 14, 2025 | Instrument ICP/MSMS | Method SOP-005

| Analyte      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|--------------|----------|----------|-------------|------------|
| Arsenic (As) | 0.0009   | 0.0027   | ND          | 1.5        |
| Cadmium (Cd) | 0.0005   | 0.0015   | 0.00        | 0.5        |
| Mercury (Hg) | 0.0058   | 0.0174   | 0.00        | 3          |
| Lead (Pb)    | 0.0006   | 0.0018   | 0.02        | 0.5        |

MIBNIG - Microbial

Analyzed Jan 13, 2025 | Instrument Plating | Method SOP-007

| Analyte                                | LOD CFU/g | LOQ CFU/g | Result CFU/g | Limit CFU/g |
|----------------------------------------|-----------|-----------|--------------|-------------|
| Shiga toxin-producing Escherichia Coli | 1.0       | 1.0       | ND           |             |
| Salmonella spp.                        | 1.0       | 1.0       | ND           |             |

MTO - Mycotoxin

Analyzed Jan 13, 2025 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD ug/kg | LOQ ug/kg | Result ug/kg | Limit ug/kg | Analyte          | LOD ug/kg | LOQ ug/kg | Result ug/kg | 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 Unidentified  
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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ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager  
Wed, 15 Jan 2025 17:15:06 -0800

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PES - Pesticides

Analyzed Jan 13, 2025 | 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                | 0.01     | 0.02     | ND          |            | Carbofuran            | 0.01     | 0.02     | ND          |            |
| Dimethoate              | 0.01     | 0.02     | ND          |            | Etofenprox            | 0.02     | 0.1      | ND          |            |
| Fenoxycarb              | 0.01     | 0.02     | ND          |            | Thiachloprid          | 0.01     | 0.02     | ND          |            |
| Daminozide              | 0.01     | 0.03     | ND          |            | Dichlorvos            | 0.02     | 0.07     | ND          |            |
| Imazalil                | 0.02     | 0.07     | ND          |            | Methiocarb            | 0.01     | 0.02     | ND          |            |
| Spiroxamine             | 0.01     | 0.02     | ND          |            | Coumaphos             | 0.01     | 0.02     | ND          |            |
| Fipronil                | 0.01     | 0.1      | ND          |            | Paclobutrazol         | 0.01     | 0.03     | ND          |            |
| Chlorpyrifas            | 0.01     | 0.04     | ND          |            | Ethoprophos (Prophos) | 0.01     | 0.02     | ND          |            |
| Baygon (Propoxur)       | 0.01     | 0.02     | ND          |            | Chlordane             | 0.04     | 0.1      | ND          |            |
| Chlorfenapyr            | 0.03     | 0.1      | ND          |            | Methyl Parathion      | 0.02     | 0.1      | ND          |            |
| Mevinphos               | 0.03     | 0.08     | ND          |            | Abamectin             | 0.03     | 0.08     | ND          |            |
| Acephate                | 0.02     | 0.05     | ND          |            | Acetamiprid           | 0.01     | 0.05     | ND          |            |
| Azoxystrobin            | 0.01     | 0.02     | ND          |            | Bifenazote            | 0.01     | 0.05     | ND          |            |
| Bifenthrin              | 0.02     | 0.35     | ND          |            | Boscalid              | 0.01     | 0.03     | ND          |            |
| Carbaryl                | 0.01     | 0.02     | ND          |            | Chlorantranilprole    | 0.01     | 0.04     | ND          |            |
| Clofentezine            | 0.01     | 0.03     | ND          |            | Diazinon              | 0.01     | 0.02     | ND          |            |
| Dimethomorph            | 0.02     | 0.06     | ND          |            | Etoxazole             | 0.01     | 0.05     | ND          |            |
| Fenpyroximate           | 0.02     | 0.1      | ND          |            | Flonicamid            | 0.01     | 0.02     | ND          |            |
| Fludioxonil             | 0.01     | 0.05     | ND          |            | Hexythiazox           | 0.01     | 0.03     | ND          |            |
| Imidacloprid            | 0.01     | 0.05     | ND          |            | Kresoxim-methyl       | 0.01     | 0.03     | ND          |            |
| Malathion               | 0.01     | 0.05     | ND          |            | Metaxalyl             | 0.01     | 0.02     | ND          |            |
| Methomyl                | 0.02     | 0.05     | ND          |            | Myclobutanil          | 0.02     | 0.07     | ND          |            |
| Naled                   | 0.01     | 0.02     | ND          |            | Oxamyl                | 0.01     | 0.02     | ND          |            |
| Permethrin              | 0.01     | 0.02     | ND          |            | Phosmet               | 0.01     | 0.02     | ND          |            |
| Piperonyl Butoxide      | 0.02     | 0.06     | ND          |            | Propiconazole         | 0.03     | 0.08     | ND          |            |
| Prallethrin             | 0.02     | 0.05     | ND          |            | Pyrethrin             | 0.05     | 0.41     | ND          |            |
| Pyridaben               | 0.02     | 0.07     | ND          |            | Spinosad A            | 0.01     | 0.05     | ND          |            |
| Spinosad D              | 0.01     | 0.05     | ND          |            | Spiromesifen          | 0.02     | 0.06     | ND          |            |
| Spirotetramat           | 0.01     | 0.02     | ND          |            | Tebuconazole          | 0.01     | 0.02     | ND          |            |
| Thiamethoxam            | 0.01     | 0.02     | ND          |            | Trifloxystrobin       | 0.01     | 0.02     | ND          |            |
| Acequinocyl             | 0.02     | 0.09     | ND          |            | Captan                | 0.01     | 0.02     | ND          |            |
| Cypermethrin            | 0.02     | 0.1      | ND          |            | Cyfluthrin            | 0.04     | 0.1      | ND          |            |
| Fenhexamid              | 0.02     | 0.07     | ND          |            | Spinetoram J,L        | 0.02     | 0.07     | ND          |            |
| Pentachloronitrobenzene | 0.01     | 0.1      | ND          |            |                       |          |          |             |            |

RES - Residual Solvents

Analyzed Jan 13, 2025 | 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)             | 0.044    | 0.4      | ND          | 5000       | Butane (But)                 | 0.02     | 0.4      | ND          | 5000       |
| Methanol (Metha)           | 1.176    | 3.92     | ND          | 3000       | Ethylene Oxide (EthOx)       | 0.08     | 0.4      | ND          | 1          |
| Pentane (Pen)              | 0.024    | 0.4      | ND          | 5000       | Ethanol (Ethan)              | 0.048    | 0.4      | ND          | 5000       |
| Ethyl Ether (EthEt)        | 0.036    | 0.4      | ND          | 5000       | Acetone (Acet)               | 0.044    | 0.4      | ND          | 5000       |
| Isopropanol (2-Pro)        | 1.16     | 3.868    | ND          | 5000       | Acetonitrile (Acetonit)      | 0.888    | 2.952    | ND          | 410        |
| Methylene Chloride (MetCh) | 0.04     | 0.4      | ND          | 1          | Hexane (Hex)                 | 0.012    | 0.4      | ND          | 290        |
| Ethyl Acetate (EthAc)      | 0.032    | 0.4      | ND          | 5000       | Chloroform (Clo)             | 0.028    | 0.4      | ND          | 1          |
| Benzene (Ben)              | 0.012    | 0.4      | ND          | 1          | 1-2-Dichloroethane (12-Dich) | 0.024    | 0.4      | ND          | 1          |
| Heptane (Hep)              | 0.012    | 0.4      | ND          | 5000       | Trichloroethylene (TriClEth) | 0.072    | 0.4      | ND          | 1          |
| Toluene                    | 0.036    | 0.4      | ND          | 890        | Xylenes (Xyl)                | 0.012    | 0.4      | ND          | 2170       |

FVI - Filth & Foreign Material Inspection

Analyzed Jan 10, 2025 | 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 Unidentified  
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  
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