

PharmLabs San Diego Certificate of Analysis



Sample River Bluff D9/CBG 082824

Delta9 THC	0.06%	THCa	ND	Total THC (THCa * 0.877 + THC)	0.06%	Delta8 THC	ND
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Sample ID	SD241120-019 (95097)	Matrix	Edible
Tested for	River Bluff CBD	Reported	Dec 02, 2024
Sampled	-	Received	Nov 19, 2024
Analyses executed	FP-NI	Unit Mass (g)	9.34
		Num. of Servings	2
		Serving Size (g)	4.67

Laboratory note: COA Update: 12/2/24 - Lab received sample with 4 servings, unit mass 18.68g. COA data reflects final packaging weight/mass.

CAN+ - Cannabinoids Analysis

Analyzed Nov 20, 2024 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoid analysis is approximately 7.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit	Sample photography
Cannabidiol (CBD)	0.039	0.16	ND	ND	ND	ND	
Cannabidiolol Acid (CBDA)	0.011	0.03	ND	ND	ND	ND	
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	ND	
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	ND	
Cannabidiol (CBD)	0.001	0.16	0.02	0.20	0.93	1.87	
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	0.10	0.98	4.58	9.15	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.06	0.64	2.99	5.98	
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND	ND	ND	
Cannabicyclol (CBL)	0.002	0.16	ND	ND	ND	ND	
Cannabichromene (CBC)	0.002	0.16	ND	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND	
<b>Total THC ( THCa * 0.877 + Δ9THC )</b>			<b>0.06</b>	<b>0.64</b>	<b>2.99</b>	<b>5.98</b>	
<b>Total THC + Δ8THC ( THCa * 0.877 + Δ9THC + Δ8THC )</b>			<b>0.06</b>	<b>0.64</b>	<b>2.99</b>	<b>5.98</b>	
<b>Total CBD ( CBDA * 0.877 + CBD )</b>			<b>0.02</b>	<b>0.20</b>	<b>0.93</b>	<b>1.87</b>	
<b>Total CBG ( CBGA * 0.877 + CBG )</b>			<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	
<b>Total Cannabinoids Analyzed</b>			<b>0.18</b>	<b>1.82</b>	<b>8.50</b>	<b>17.00</b>	

HME - Heavy Metals Analysis

Analyzed Nov 20, 2024 | 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	ND	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.01	0.5

MIBNIG - Microbial Analysis

Analyzed Nov 20, 2024 | Instrument Plating | Method SOP-007

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

MTO - Mycotoxin Analysis

Analyzed Nov 25, 2024 | 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

UJ 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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Authorized Signature

*Brandon Starr*

Brandon Starr, Quality Assurance Manager  
 Mon, 02 Dec 2024 17:41:10 -0800

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PES - Pesticides Analysis

Analyzed Nov 25, 2024 | 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	0	Carbofuran	0.01	0.02	ND	0
Dimethoate	0.01	0.02	ND	0	Etofenprox	0.02	0.1	ND	0
Fenoxycarb	0.01	0.02	ND	0	Thiachlorpid	0.01	0.02	ND	0
Daminozide	0.01	0.03	ND	0	Dichlorvos	0.02	0.07	ND	0
Imazalil	0.02	0.07	ND	0	Methiocarb	0.01	0.02	ND	0
Spiroxamine	0.01	0.02	ND	0	Coumaphos	0.01	0.02	ND	0
Fipronil	0.01	0.1	ND	0	Paclobutrazol	0.01	0.03	ND	0
Chlorpyrifos	0.01	0.04	ND	0	Ethoprophos (Prophos)	0.01	0.02	ND	0
Baygon (Propoxur)	0.01	0.02	ND	0	Chlordane	0.04	0.1	ND	0
Chlorfenapyr	0.03	0.1	ND	0	Methyl Parathion	0.02	0.1	ND	0
Mevinphos	0.03	0.08	ND	0	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	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 Analysis

Analyzed Nov 21, 2024 | 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)	0.08	0.4	ND	5000	Butane (But)	0.08	0.4	ND	5000
Methanol (Metha)	0.08	0.4	66.4	3000	Ethylene Oxide (EthOx)	0.08	0.4	ND	1
Pentane (Pen)	0.08	0.4	ND	5000	Ethanol (Ethan)	0.08	0.4	ND	5000
Ethyl Ether (EthEt)	0.08	0.4	ND	5000	Acetone (Acet)	0.08	0.4	<LOQ	5000
Isopropanol (2-Pro)	0.08	0.4	ND	5000	Acetonitrile (Acetonit)	0.08	0.4	ND	410
Methylene Chloride (MetCh)	0.08	0.4	ND	1	Hexane (Hex)	0.08	0.4	ND	290
Ethyl Acetate (EthAc)	0.08	0.4	ND	5000	Chloroform (Clo)	0.08	0.4	ND	1
Benzene (Ben)	0.08	0.4	ND	1	1,2-Dichloroethane (1,2-Dich)	0.08	0.4	ND	1
Heptane (Hep)	0.08	0.4	<LOQ	5000	Trichloroethylene (TriClEth)	0.08	0.4	ND	1
Toluene (Toluene)	0.08	0.4	ND	890	Xylenes (Xyl)	0.08	0.4	ND	2170

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Nov 19, 2024 | 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

MWA - Moisture Content & Water Activity Analysis

Analyzed Nov 20, 2024 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (Moi)	0.0	0.0	9.1 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.61 a <sub>w</sub>	0.85 a <sub>w</sub>

UJ 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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