

PharmLabs San Diego Certificate of Analysis

Sample Mixed Berry 249 D8, 50mg CBD, 1mg THCp



Delta9 THC	0.08%	THCa	ND	Total THC (THCa * 0.877 + THC)	0.08%	Delta8 THC	4.84%
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Sample ID SD250714-001 (118333)

Tested for Creating Better Days

Sampled -	Received Jul 14, 2025	Reported Jul 28, 2025
Analyses executed CANX, RES, MIBNIG, MTO, PES, HME, FVI, MWA, D9C	Unit Mass (g) 23.745	Num. of Servings 5
		Serving Size (g) 4.75

Summary D9C: The total $\Delta 9$ -THC content in this sample is 0.08%. For the most accurate $\Delta 9$ -THC concentration, refer to the GC MS/MS section of this COA. This sample was tested using HPLC and GC MS/MS. HPLC analysis can yield inconsistent results for $\Delta 8$ -THC and $\Delta 9$ -THC due to isomer interference: GC MS/MS was employed to avoid this issue. Please note, if THCa is present, the $\Delta 9$ -THC level measured by GC MS/MS might be higher due to decarboxylation.

D9C - D9 Confirmation

Analyzed Jul 26, 2025 | Instrument GC MS/MS | Method SOP-041 D9C

The expanded Uncertainty of the D9 Confirmation analysis is approximately $\pm 7.81\%$ at the 95% Confidence Level

Analyte	LOD ppb	LOQ ppb	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
$\Delta 9$ -Tetrahydrocannabinol ($\Delta 9$ -THC)	1.462	4.432	0.08	0.80	3.80	19.00
Total Cannabinoids Analyzed	-	-	0.08	0.80	3.80	19.00

CANx - Cannabinoids

Analyzed Jul 17, 2025 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoids analysis is approximately $\pm 7.81\%$ at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
11-Hydroxy- $\Delta 8$ -Tetrahydrocannabivarin (11-Hyd- $\Delta 8$ -THCV)	0.013	0.041	ND	ND	ND	ND
Cannabidiol (CBD)	0.006	0.02	ND	ND	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.013	0.038	ND	ND	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.015	0.045	ND	ND	ND	ND
11-Hydroxy- $\Delta 8$ -Tetrahydrocannabinol (11-Hyd- $\Delta 8$ -THC)	0.015	0.045	ND	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.033	0.16	0.07	0.70	3.32	16.62
Cannabigerol Acid (CBGA)	0.033	0.16	ND	ND	ND	ND
Cannabigerol (CBG)	0.048	0.16	ND	ND	ND	ND
Cannabidiol (CBD)	0.069	0.229	1.32	13.24	62.89	314.38
1(S)-Tetrahydrocannabidiol (1S)-H4-CBD)	0.008	0.026	ND	ND	ND	ND
1(R)-Tetrahydrocannabidiol (1R)-H4-CBD)	0.016	0.049	ND	ND	ND	ND
Tetrahydrocannabivarin (THCV)	0.049	0.162	ND	ND	ND	ND
$\Delta 8$ -tetrahydrocannabivarin ($\Delta 8$ -THCV)	0.012	0.036	0.06	0.56	2.66	13.30
Cannabidiolhexol (CBDH)	0.014	0.042	<LOQ	<LOQ	<LOQ	<LOQ
Tetrahydrocannabutol ($\Delta 9$ -THCB)	0.01	0.029	ND	ND	ND	ND
Cannabinol (CBN)	0.047	0.16	0.07	0.68	3.23	16.15
Cannabidiphol (CBDP)	0.016	0.049	ND	ND	ND	ND
exo-THC (exo-THC)	0.016	0.8	ND	ND	ND	ND
Tetrahydrocannabinol ($\Delta 9$ -THC)	0.092	0.307	1.01	10.06	47.78	238.87
$\Delta 8$ -tetrahydrocannabinol ($\Delta 8$ -THC)	0.044	0.16	4.84	48.36	229.71	1148.31
(6aR,9S)- $\Delta 10$ -Tetrahydrocannabinol ((6aR,9S)- $\Delta 10$)	0.015	0.8	ND	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.8	ND	ND	ND	ND
(6aR,9R)- $\Delta 10$ -Tetrahydrocannabinol ((6aR,9R)- $\Delta 10$)	0.007	0.8	ND	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.8	ND	ND	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.117	0.389	ND	ND	ND	ND
$\Delta 9$ -Tetrahydrocannabihexol ($\Delta 9$ -THCH)	0.02	0.061	ND	ND	ND	ND
Cannabinol Acetate (CBNO)	0.009	0.027	<LOQ	<LOQ	<LOQ	<LOQ
9(S)-Hexahydrocannabinolic Acid (9S)-HHCA)	0.063	0.065	ND	ND	ND	ND
9(R)-Hexahydrocannabinolic Acid (9R)-HHCA)	0.191	0.196	ND	ND	ND	ND
$\Delta 9$ -Tetrahydrocannabiphorol ($\Delta 9$ -THCP)	0.017	0.8	0.03	0.32	1.52	7.60
$\Delta 8$ -Tetrahydrocannabiphorol ($\Delta 8$ -THCP)	0.041	0.8	ND	ND	ND	ND
Cannabicitran (CBT)	0.005	0.16	0.02	0.19	0.90	4.51
$\Delta 8$ -THC-O-acetate ($\Delta 8$ -THCO)	0.076	0.8	ND	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.013	0.041	ND	ND	ND	ND
$\Delta 9$ -THC-O-acetate ($\Delta 9$ -THCO)	0.066	0.8	ND	ND	ND	ND
9(R)-HHCP (r-HHCP)	0.015	0.045	ND	ND	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.037	0.112	ND	ND	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.031	0.093	ND	ND	ND	ND
3-octyl- $\Delta 8$ -Tetrahydrocannabinol ($\Delta 8$ -THC-C8)	0.021	0.062	ND	ND	ND	ND
Total THC (THCa * 0.877 + $\Delta 9$ THC)			1.01	10.06	47.78	238.87
Total THC + $\Delta 8$ THC + $\Delta 10$ THC (THCa * 0.877 + $\Delta 9$ THC + $\Delta 8$ THC + $\Delta 10$ THC)			5.84	58.42	277.50	1367.18
Total CBD (CBDA * 0.877 + CBD)			1.39	13.85	65.81	328.96
Total CBG (CBGA * 0.877 + CBG)			ND	ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			ND	ND	ND	ND
Total Cannabinoids Analyzed			7.40	74.02	351.61	1757.70

UI Unidentified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULQ 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, Quality Assurance Manager
Mon, 28 Jul 2025 10:11:19 -0700

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HME - Heavy Metals

Analyzed Jul 23, 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	ND	0.5
Mercury (Hg)	0.0058	0.0174	ND	3
Lead (Pb)	0.0006	0.0018	0.03	0.5

MIBNIG - Microbial

Analyzed Jul 17, 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	1
Salmonella spp.	1.0	1.0	ND	1

MTO - Mycotoxin

Analyzed Jul 24, 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

U 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, 28 Jul 2025 10:11:19 -0700



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PES - Pesticides

Analyzed Jul 26, 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	
Fenoxy carb	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	
Chlorpyrifos	0.01	0.04	ND		Ethopropophos (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		Bifenazate	0.01	0.05	ND	
Bifenthrin	0.02	0.35	ND		Boscalid	0.01	0.03	ND	
Carbaryl	0.01	0.02	ND		Chlorantraniliprole	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		Metalaxyl	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	
Pyridoben	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	
Aequinocyl	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 Jul 23, 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	89.8	3000	Ethylene Oxide (EthOx)	0.08	0.4	ND	1
Pentane (Pen)	0.024	0.4	91.8	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	<LOQ	5000	Acetonitrile (Acetonit)	0.888	2.952	<LOQ	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	<LOQ	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 Jul 16, 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

MWA - Moisture Content & Water Activity

Analyzed Jul 23, 2025 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD a _w	LOQ a _w	Result	Limit	Analyte	LOD % M/w	LOQ % M/w	Result	Limit
Water Activity (WA)	0.03	0.03	0.64 a _w	0.85 a _w	Moisture (Mol)	0.0	0.0	9.7 % M _w	13 % M _w

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LQ Limit of Quantification
<LOQ Detected
>ULQ 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 Stark

Brandon Starr, Quality Assurance Manager
Mon, 28 Jul 2025 10:11:19 -0700

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