

PharmLabs San Diego Certificate of Analysis



Sample Cutleaf Duos Pop & Dab - Lemon Gelato (Dab)

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

Sample ID SD250208-011 (106814)	Matrix Concentrate	Batch ID N06284- 25036A
Tested for Bluestone USA, Inc.		
Sampled -	Received Feb 07, 2025	Reported Mar 13, 2026
Analyses executed CANX, RES, MIBIG, MICX, MTO, PES, HME, FVI		

Laboratory note: COA Update: 3/13/26 - "Test for" updated per client request.

CANx - Cannabinoids

Analyzed Mar 04, 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
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBDO)	0.006	0.02	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.013	0.038	ND	ND
(+/-)-9B-Hydroxy-Hexahydrocannabinol (9b-HHC)	0.015	0.045	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.033	0.16	7.07	70.71
Cannabidiolic Acid (CBDA)	0.033	0.16	0.21	2.08
Cannabigerol Acid (CBGA)	0.048	0.16	4.71	47.14
Cannabigerol (CBG)	0.069	0.229	63.93	639.30
Cannabidiol (CBD)	0.008	0.026	ND	ND
1(S)-Tetrahydrocannabinol (1(S)-H4-CBD)	0.016	0.049	ND	ND
1(R)-Tetrahydrocannabinol (1(R)-H4-CBD)	0.049	0.162	ND	ND
Tetrahydrocannabinol (THCV)	0.021	0.064	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THCV)	0.014	0.042	1.20	11.99
Cannabidiol (CBDH)	0.01	0.029	0.55	5.50
Tetrahydrocannabinol (Δ9-THCB)	0.047	0.16	0.62	6.21
Cannabinal (CBN)	0.016	0.049	ND	ND
Cannabidiphorol (CBDP)	0.016	0.8	ND	ND
exo-THC (exo-THC)	0.092	0.307	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.044	0.16	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC)	0.015	0.8	ND	ND
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.017	0.8	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.007	0.8	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.016	0.8	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.117	0.389	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.02	0.061	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THCH)	0.009	0.027	ND	ND
Cannabinal Acetate (CBNO)	0.063	0.065	ND	ND
9(S)-Hexahydrocannabinolic Acid (9(S)-HHCa)	0.191	0.196	ND	ND
9(R)-Hexahydrocannabinolic Acid (9(R)-HHCa)	0.017	0.8	6.17	61.74
Δ9-Tetrahydrocannabinol (Δ9-THCP)	0.041	0.8	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THCP)	0.005	0.16	1.52	15.23
Cannabitran (CBT)	0.076	0.8	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.013	0.041	ND	ND
9(S)-HHCp (s-HHCP)	0.066	0.8	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.015	0.045	ND	ND
9(R)-HHCp (r-HHCP)	0.037	0.112	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.031	0.093	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.021	0.062	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)			ND	ND
Total THC (THCa * 0.877 + Δ9THC)			ND	ND
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			ND	ND
Total CBD (CBDA * 0.877 + CBD)			70.13	701.31
Total CBG (CBGa * 0.877 + CBG)			4.90	48.96
Total HHC (9r-HHC + 9s-HHC)			ND	ND
Total Cannabinoids Analyzed			85.09	850.95



HME - Heavy Metals

Analyzed Mar 07, 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	ND	0.5

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



DEA license: RP0611043
 ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager
 Fri, 13 Mar 2026 16:57:24 -0700

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MIBIG - Microbial

Analyzed Mar 03, 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
Aspergillus fumigatus	1.0	1.0	ND	1
Aspergillus flavus	1.0	1.0	ND	1
Aspergillus niger	1.0	1.0	ND	1
Aspergillus terreus	1.0	1.0	ND	1

MTO - Mycotoxin

Analyzed Mar 04, 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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PES - Pesticides

Analyzed Mar 04, 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	
Chlorpyrifos	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		Bifentazate	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	
Clofentazine	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		Fonicamid	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	
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		Chlormequat Chloride	0.02	0.1	ND	

RES - Residual Solvents

Analyzed Mar 11, 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	91.0	5000	Butane (But)	0.02	0.4	92.1	5000
Methanol (Metha)	1.176	3.92	68.9	3000	Ethylene Oxide (EthOx)	0.08	0.4	111.2	1
Pentane (Pen)	0.024	0.4	<LOQ	5000	Ethanol (Ethan)	0.048	0.4	145.1	5000
Ethyl Ether (EthEt)	0.036	0.4	ND	5000	Acetone (Acet)	0.044	0.4	476.7	5000
Isopropanol (2-Pro)	1.16	3.868	588.5	5000	Acetonitrile (Acetonit)	0.888	2.952	<LOQ	410
Methylene Chloride (MetCh)	0.04	0.4	ND	1	Hexane (Hex)	0.012	0.4	82.2	290
Ethyl Acetate (EthAc)	0.032	0.4	75.1	5000	Chloroform (Clo)	0.028	0.4	ND	1
Benzene (Ben)	0.012	0.4	ND	1	1,2-Dichloroethane (1,2-Dich)	0.024	0.4	ND	1
Heptane (Hep)	0.012	0.4	72.5	5000	Trichloroethylene (TriClEth)	0.072	0.4	ND	1
Toluene	0.036	0.4	77.7	890	Xylenes (Xyl)	0.012	0.4	ND	2170

FVI - Filth & Foreign Material Inspection

Analyzed Mar 03, 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

MICx - Microbial X

Analyzed Mar 03, 2025 | Instrument Plating | Method SOP-007

Analyte	LOD CFU/G	LOQ CFU/G	Result CFU/G	Limit CFU/G
Total Yeast & Molds (TYM)	1.0	1.0	ND	
Listeria (LIS)	1.0	1.0	ND	
Gram Negative Bacteria (BTGN)	1.0	1.0	ND	
Total Viable Aerobic Bacteria (TVAB)	1.0	1.0	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
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



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