

PharmLabs San Diego Certificate of Analysis



Sample **Sauce'd Exotix 4G - Apple Jack'd**

Delta9 THC ND	THCa 0.18%	Total THC (THCa * 0.877 + THC) 0.16%	Delta8 THC 70.77%
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Sample ID SD251218-011 (125611)	Matrix Concentrate	Batch ID EF1J1AJ3
Tested for Fresh Farms E-Liquid LLC		
Cultivator/Manufacturer/Microbusiness License FDAC #424823	Address 2751 Commerce Center Way, Unit 400, Pembroke Park, FL , 33023-5993	Name Bio Minerals Pharma LLC
Sampled -	Received Dec 18, 2025	Reported Jan 06, 2026
Analyses executed D9C, GA-FPC		Unit Mass (g) 4.0

Laboratory note: The licensee holds a current and valid permit as referenced in the Cultivator/Manufacturer/Microbusiness License field, and the facility meets the human health or food safety sanitization requirements of the regulatory entity as documented by the regulatory entity. **Summary D9C:** The total Δ9-THC content in this sample is 0.00%. For the most accurate Δ9-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 Δ8-THC and Δ9-THC due to isomer interference. GC MS/MS was employed to avoid this issue. Please note, if THCa is present, the Δ9-THC level measured by GC MS/MS might be higher due to decarboxylation.

D9C - D9 Confirmation

Analyzed Dec 22, 2025 | Instrument GC MS/MS | Method SOP-041 D9C
The expanded Uncertainty of the D9 Confirmation analysis is approximately ±7.806% at the 95% Confidence Level

Analyte	LOD ppb	LOQ ppb	Result %	Result mg/g	Result mg/Unit
Δ9-Tetrahydrocannabinol (Δ9-THC)	1.462	4.432	0.00	0.00	0.00

CANx - Cannabinoids

Analyzed Dec 18, 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
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND
Cannabidiol (CBD)	0.006	0.02	ND	ND	ND
Abnormal Cannabidiol (a-CBD)	0.013	0.038	ND	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.015	0.045	ND	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.015	0.045	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.033	0.16	0.41	4.13	16.52
Cannabigerol Acid (CBGA)	0.033	0.16	ND	ND	ND
Cannabigerol (CBG)	0.048	0.16	ND	ND	ND
Cannabidiol (CBD)	0.069	0.229	ND	ND	ND
1(S)-Tetrahydrocannabinol (1(S)-H4-CBD)	0.008	0.026	ND	ND	ND
1(R)-Tetrahydrocannabinol (1(R)-H4-CBD)	0.016	0.049	ND	ND	ND
Tetrahydrocannabinol (THCV)	0.049	0.162	ND	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THCV)	0.012	0.036	ND	ND	ND
Cannabidiol (CBDH)	0.014	0.042	ND	ND	ND
Tetrahydrocannabinol (Δ9-THCB)	0.01	0.029	1.60	16.05	64.20
Cannabinol (CBN)	0.047	0.16	1.84	18.45	73.80
Cannabidiophorol (CBDP)	0.016	0.049	ND	ND	ND
exo-THC (exo-THC)	0.016	0.8	ND	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.092	0.307	D9C	D9C	D9C
Δ8-tetrahydrocannabinol (Δ8-THC)	0.044	0.16	70.77	707.66	2830.64
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.8	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.8	1.18	11.82	47.28
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.8	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.8	3.09	30.94	123.76
Tetrahydrocannabinolic Acid (THCA)	0.117	0.389	0.18	1.80	7.20
Δ9-Tetrahydrocannabinol (Δ9-THCH)	0.02	0.061	ND	ND	ND
Cannabinol Acetate (CBNO)	0.009	0.027	ND	ND	ND
9(S)-Hexahydrocannabinolic Acid (9(S)-HHCA)	0.063	0.065	ND	ND	ND
9(R)-Hexahydrocannabinolic Acid (9(R)-HHCA)	0.191	0.196	ND	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THCP)	0.017	0.8	4.14	41.38	165.52
Δ8-Tetrahydrocannabinol (Δ8-THCP)	0.041	0.8	ND	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.8	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.013	0.041	ND	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.8	ND	ND	ND
9(R)-HHCP (r-HHCP)	0.015	0.045	ND	ND	ND
9(S)-HHC-O-acetate (s-HHCO)	0.037	0.112	ND	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.031	0.093	ND	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.021	0.062	ND	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			0.16	1.58	6.31
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			70.92	709.24	2836.95
Total CBD (CBDA * 0.877 + CBD)			0.36	3.62	14.49
Total CBG (CBGA * 0.877 + CBG)			ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			4.28	42.76	171.04
Total Cannabinoids Analyzed			83.15	831.50	3326.00



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
Tue, 06 Jan 2026 13:15:14 -0800

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HME - Heavy Metals

Analyzed Dec 22, 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	0.2
Cadmium (Cd)	0.0005	0.0015	ND	0.2
Mercury (Hg)	0.0058	0.0174	ND	0.2
Lead (Pb)	0.0006	0.0018	ND	0.2

MIBIG - Microbial

Analyzed Dec 29, 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	N/A
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 Dec 18, 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	20
Aflatoxin B2	2.5	5.0	ND	20	Aflatoxin G1	2.5	5.0	ND	20
Aflatoxin G2	2.5	5.0	ND	20	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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Brandon Starr, Quality Assurance Manager
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PES - Pesticides

Analyzed Dec 30, 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	0.02	Carbofuran	0.01	0.02	ND	0.02
Dimethoate	0.01	0.02	ND	0.02	Etofenprox	0.02	0.1	ND	0.1
Fenoxycarb	0.01	0.02	ND	0.02	Thiachloprid	0.01	0.02	ND	0.02
Daminozide	0.01	0.03	ND	0.03	Dichlorvos	0.02	0.07	ND	0.07
Imazalil	0.02	0.07	ND	0.07	Methiocarb	0.01	0.02	ND	0.02
Spiroxamine	0.01	0.02	ND	0.02	Coumaphos	0.01	0.02	ND	0.02
Fipronil	0.01	0.1	ND	0.1	Paclobutrazol	0.01	0.03	ND	0.03
Chlorpyrifos	0.01	0.04	ND	0.04	Ethoprophos (Prophos)	0.01	0.02	ND	0.02
Baygon (Propoxur)	0.01	0.02	ND	0.02	Chlordane	0.04	0.1	ND	0.1
Chlorfenapyr	0.03	0.1	ND	0.1	Methyl Parathion	0.02	0.1	ND	0.1
Mevinphos	0.03	0.08	ND	0.08	Acephate	0.02	0.05	ND	0.05
Acetamiprid	0.01	0.05	ND	0.05	Azoxystrobin	0.01	0.02	ND	0.02
Bifenazate	0.01	0.05	ND	0.05	Bifenthrin	0.02	0.35	ND	0.1
Boscalid	0.01	0.03	ND	0.03	Carbaryl	0.01	0.02	ND	0.02
Chlorantraniliprole	0.01	0.04	ND	0.04	Clofentezine	0.01	0.03	ND	0.03
Diazinon	0.01	0.02	ND	0.02	Dimethomorph	0.02	0.06	ND	0.06
Etoxazole	0.01	0.05	ND	0.05	Fenproximate	0.02	0.1	ND	0.1
Flonicamid	0.01	0.02	ND	0.02	Fludioxonil	0.01	0.05	ND	0.05
Hexythiazox	0.01	0.03	ND	0.03	Imidacloprid	0.01	0.05	ND	0.05
Kresoxim-methyl	0.01	0.03	ND	0.03	Malathion	0.01	0.05	ND	0.05
Metalaxyl	0.01	0.02	ND	0.02	Methomyl	0.02	0.05	ND	0.05
Myclobutanil	0.02	0.07	ND	0.07	Naled	0.01	0.02	ND	0.02
Oxamyl	0.01	0.02	ND	0.02	Permethrin	0.01	0.02	ND	0.02
Phosmet	0.01	0.02	ND	0.02	Piperonyl Butoxide	0.02	0.06	ND	0.06
Propiconazole	0.03	0.08	ND	0.08	Prallethrin	0.02	0.05	ND	0.05
Pyrethrin	0.05	0.41	ND	0.1	Pyridaben	0.02	0.07	ND	0.07
Spinosad A	0.01	0.05	ND	0.05	Spinosad D	0.01	0.05	ND	0.05
Spiromesifen	0.02	0.06	ND	0.06	Spirotetramat	0.01	0.02	ND	0.02
Tebuconazole	0.01	0.02	ND	0.02	Thiamethoxam	0.01	0.02	ND	0.02
Trifloxystrobin	0.01	0.02	ND	0.02	Captan	0.01	0.02	ND	0.02
Cypermethrin	0.02	0.1	ND	0.1	Cyfluthrin	0.04	0.1	ND	0.1
Fenhexamid	0.02	0.07	ND	0.07	Spinetoram J,L	0.02	0.07	ND	0.07
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents

Analyzed Dec 19, 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	N/A	Butane (But)	0.02	0.4	ND	800
Methanol (Metha)	1.176	3.92	ND	N/A	Ethylene Oxide (EthOx)	0.08	0.4	ND	N/A
Pentane (Pen)	0.024	0.4	ND	N/A	Ethanol (Ethan)	0.048	0.4	ND	5000
Ethyl Ether (EthEt)	0.036	0.4	ND	N/A	Acetone (Acet)	0.044	0.4	<LOQ	N/A
Isopropanol (2-Pro)	1.16	3.868	<LOQ	N/A	Acetonitrile (Acetonit)	0.888	2.952	ND	N/A
Methylene Chloride (MetCh)	0.04	0.4	2.4	N/A	Hexane (Hex)	0.012	0.4	ND	100
Ethyl Acetate (EthAc)	0.032	0.4	ND	N/A	Chloroform (Clo)	0.028	0.4	ND	N/A
Benzene (Ben)	0.012	0.4	ND	N/A	1-2-Dichloroethane (12-Dich)	0.024	0.4	ND	N/A
Heptane (Hep)	0.012	0.4	ND	500	Trichloroethylene (TriClEth)	0.072	0.4	ND	N/A
Toluene	0.036	0.4	ND	N/A	Xylenes (Xyl)	0.012	0.4	ND	N/A

FVI - Filth & Foreign Material Inspection

Analyzed Dec 18, 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 Dec 29, 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	10000
Gram Negative Bacteria (BTGN)	1.0	1.0	ND	1000
Total Viable Aerobic Bacteria (TVAB)	1.0	1.0	ND	100000

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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