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ISO/IEC 17025:2017 Acc. L17-427-1 #85368



Sample ID SD240221-013 (91355)

Tested for Fresh Farms E-Liquid LLC

Sampled -

Analyses executed CANX, RES, MIBIG, MTO, PES, HME, FMI Feb 20, 2025

Reported Feb 27, 2025

Unit Mass (g) 4.0

Analyzed Feb 22, 2025 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately $\pm 7.806\%$ at the 95% Confidence Level

Cannabinoid analysis is approximately 17.866% at the 95% Confidence Level						Sample photography	
Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Unit		
11-Hydroxy- Δ^8 -Tetrahydrocannabinavin (11-Hyd- Δ^8 -THCV)	0.013	0.041	ND	ND	ND		
Cannabidiolcin (CBDO)	0.002	0.007	ND	ND	ND		
Abnormal Cannabidiolcin (a-CBDO)	0.01	0.031	ND	ND	ND		
(+/-)-9B-hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND	ND		
11-Hydroxy- Δ^8 -Tetrahydrocannabinol (11-Hyd- Δ^8 -THC)	0.007	0.021	ND	ND	ND		
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND		
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND		
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND		
Cannabidiol (CBD)	0.001	0.16	ND	ND	ND		
1(S)-THD (s-THD)	0.013	0.041	ND	ND	ND		
1(R)-THD (r-THD)	0.025	0.075	ND	ND	ND		
Tetrahydrocannabinavin (THCV)	0.001	0.16	ND	ND	ND		
Δ^8 -tetrahydrocannabinavin (Δ^8 -THCV)	0.021	0.064	ND	ND	ND		
Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND		
Tetrahydrocannabinutol (Δ^9 -THCB)	0.013	0.038	1.53	15.26	61.04		
Cannabinol (CBN)	0.001	0.16	0.20	2.04	8.16		
Cannabiphlorol (CBDP)	0.015	0.047	ND	ND	ND		
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND		
Tetrahydrocannabinol (Δ^9 -THC)	0.003	0.16	ND	ND	ND		
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.004	0.16	82.52	825.24	3300.96		
((6aR,9S)- Δ^{10} -Tetrahydrocannabinol ((6aR,9S)- Δ^{10}))	0.015	0.16	ND	ND	ND		
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	ND		
((6aR,9R)- Δ^{10} -Tetrahydrocannabinol ((6aR,9R)- Δ^{10}))	0.007	0.16	ND	ND	ND		
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND	ND		
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.31	ND	12.52		
Δ^9 -Tetrahydrocannabinohexol (Δ^9 -THCH)	0.024	0.071	ND	3.13	ND		
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND		
Δ^9 -Tetrahydrocannabinophorol (Δ^9 -THCP)	0.017	0.16	4.63	ND	185.32		
Δ^8 -Tetrahydrocannabinophorol (Δ^8 -THCP)	0.041	0.16	ND	46.33	ND		
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND		
Δ^8 -THC-O-acetate (Δ^8 -THCO)	0.076	0.16	ND	ND	ND		
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND		
Δ^9 -THC-O-acetate (Δ^9 -THCO)	0.066	0.16	ND	ND	ND		
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND		
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND		
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND		
3-octyl- Δ^8 -Tetrahydrocannabinol (Δ^8 -THC-C8)	0.067	0.204	ND	ND	ND		
Total THC (THCa * 0.877 + Δ^9 THC)			0.27	ND	10.98		
Total THC + Δ^8 THC + Δ^{10} THC (THCa * 0.877 + Δ^9 THC + Δ^8 THC + Δ^{10} THC)				2.74	3311.94		
Total CBD (CBDA * 0.877 + CBD)				827.98	ND		
Total CBG (CBGa * 0.877 + CBG)			82.80	ND	ND		
Total HHC (9r-HHC + 9s-HHC)			ND	ND	ND		
Total Cannabinoids Analyzed			ND	ND	3566.46		
			ND	891.61			
			89.16				

Analyzed Feb 22, 2025 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOG 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
Nickel (Ni)	6.0e-05	0.0002	NT	

Analyzed Feb 22, 2025 | Instrument gPCB and/or Plating | Method SOP-007

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND per 1 gram	Salmonella spp.	ND	ND per 1 gram
Aspergillus fumigatus	ND	ND per 1 gram	Aspergillus flavus	ND	ND per 1 gram
Aspergillus niger	ND	ND per 1 gram	Aspergillus terreus	ND	ND per 1 gram

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
 TNC Too Numerous to Count



Authorized Signature _____

Brandon Starr

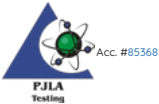
Brandon Starr, Lab Manager
Tue, 27 Feb 2025 11:55:26 -0800

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Analyzed Feb 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

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



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
Tue, 27 Feb 2024 11:55:26 -0800

Analyzed Feb 27, 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	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01	
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02	
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01	
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02	
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01	
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01	
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01	
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01	
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04	
Chlorfenapyr	0.01	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02	
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.1	
Acephate	0.03	0.05	ND	0.1	Acetamiprid	0.01	0.05	ND	0.1	
Azoxystrobin	0.02	0.02	ND	0.1	Bifenazote	0.01	0.05	ND	0.1	
Bifenthrin	0.01	0.35	ND	3	Boscalid	0.01	0.03	ND	0.1	
Carbaryl	0.02	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	10	
Clofentazine	0.01	0.03	ND	0.1	Diazinon	0.01	0.02	ND	0.1	
Dimethomorph	0.01	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1	
Fenpyroximate	0.02	0.1	ND	0.1	Flonicamid	0.01	0.02	ND	0.1	
Fludioxonil	0.02	0.05	ND	0.1	Hexythiazox	0.01	0.03	ND	0.1	
Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1	
Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	ND	2	
Methomyl	0.01	0.05	ND	1	Myclobutanil	0.02	0.07	ND	0.1	
Naled	0.01	0.02	ND	0.1	Oxamyl	0.01	0.02	ND	0.5	
Permethrin	0.02	0.02	ND	0.5	Phosmet	0.01	0.02	ND	0.1	
Piperonyl Butoxide	0.01	0.06	ND	3	Propiconazole	0.03	0.08	ND	0.1	
Prallethrin	0.01	0.05	ND	0.1	Pyrethrin	0.05	0.41	ND	0.5	
Pyridaben	0.02	0.07	ND	0.1	Spinosad A	0.01	0.05	ND	0.1	
Spinosad D	0.02	0.05	ND	0.1	Spiromesifen	0.02	0.06	ND	0.1	
Spirotetramat	0.01	0.02	ND	0.1	Tebuconazole	0.01	0.02	ND	0.1	
Thiamethoxam	0.01	0.02	ND	5	Trifloxystrobin	0.01	0.02	ND	0.1	
Acequinocyl	0.01	0.09	ND	0.1	Captan	0.01	0.02	ND	0.7	
Cypermethrin	0.01	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	2	
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J.L	0.02	0.07	ND	0.1	
Pentachloronitrobenzene	0.02	0.1	ND	0.1						
	0.01									

RES - Residual Solvents Analysis

Analyzed Feb 22, 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)	0.4	40.0	ND		Butane (But)	0.4	40.0	ND		
Methanol (Metha)	0.4	40.0	ND		Ethylene Oxide (EthOx)	0.4	0.8	ND		
Pentane (Pen)	0.4	40.0	ND		Ethanol (Ethan)	0.4	40.0	ND		
Ethyl Ether (EthEt)	0.4	40.0	ND		Acetone (Acet)	0.4	40.0	ND		
Isopropanol (Z-Pro)	0.4	40.0	ND		Acetonitrile (Acetonit)	0.4	40.0	ND		
Methylene Chloride (MetCh)	0.4	0.8	ND		Hexane (Hex)	0.4	40.0	ND		
Ethyl Acetate (EthAc)	0.4	40.0	ND		Chloroform (Clo)	0.4	0.8	ND		
Benzene (Ben)	0.4	0.8	ND		1-2-Dichloroethane (12-Dich)	0.4	0.8	ND		
Heptane (Hep)	0.4	40.0	ND		Trichloroethylene (TriClEth)	0.4	0.8	ND		
Toluene (Toluene)	0.4	40.0	ND		Xylenes (Xyl)	0.4	40.0	ND		

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Feb 21, 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	>1/4ofthetotalsample 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 animbeddedforeign 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
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count



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