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PharmLabs San Diego Certificate of Analysis

Sample Sumo Gummies Berry Blast

	Delta9 THC 0.23%	THCa ND	Total THC (THCa * 0.877 + THC) 0.23%		Delta8 THC	8.76%	J
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Sample ID SD241008-075 (100534)		Matrix Edible				
Tested for Fresh Farms E-Liquid LLC						
Sampled -	Received Oct 08, 2024		Reported Oct 14, 2024			
Analyses executed CANX, D9C		Unit Mass (g) 114.032	Num. of Servings 25	Serving Size (g) 4.56		

Summary D9C: The total Δ9-THC content in this sample is 0.23%. 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, ifTHCa is present, the Δ9-THC level measured by GC MS/MS might be higher due to decarboxylation.

D9C - D9 Confirmation Analysis

Analyzed Oct 14, 2024 | Instrument GC MS/MS | Method SOP-041 D9C

Analyte	LOD ppb	LOQ ppb	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Δ 4(8)-iso-Tetrahydrocannabinol (Δ 4(8)-iso-THC)	1.198	3.632	0.22	2.19	9.99	249.73
Δ9-Tetrahydrocannabinol (Δ9-THC)	1.462	4.432	0.23	2.27	10.35	258.85
Total Δ9-THC			0.23	2.27	10.35	258.85
Total Cannabinoids Analyzed	-	•	0.45	4.46	20.34	508.58

CANx - Cannabinoids Analysis

Analyzed Oct 09, 2024 | Instrument HPLC-VWD | Method SOP-001 The expanded Uncertainty of the Cannabinoid analysis is approximately **3**.806% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND	ND
Cannabidiorcin (CBDO)	0.006	0.02	ND	ND	ND	ND
Abnormal Cannabidiorcin (a-CBDO)	0.013	0.038	ND	ND	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.015	0.045	ND	ND	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.015	0.045	ND	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.033	0.16	0.04	0.36	1.64	41.05
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	0.01	0.05	0.23	5.70
1(S)-Tetrahydrocannabidiol (1(S)-H4-CBD)	0.008	0.026	ND	ND	ND	ND
1(R)-Tetrahydrocannabidiol (1(R)-H4-CBD)	0.016	0.049	ND	ND	ND	ND
Tetrahydrocannabivarin (THCV)	0.049	0.162	0.01	0.09	0.41	10.26
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.012	0.036	0.02	0.22	1.00	25.09
Cannabidihexol (CBDH)	0.014	0.042	ND	ND	ND	ND
Tetrahydrocannabutol (∆9-THCB)	0.01	0.029	ND	ND	ND	ND
Cannabinol (CBN)	0.047	0.16	0.03	0.32	1.46	36.49
Cannabidiphorol (CBDP)	0.016	0.049	ND	ND	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND
Tetrahydrocannabinol (∆9-THC)	0.092	0.307	0.58	5.82	26.54	663.67
Δ8-tetrahydrocannabinol (Δ8-THC)	0.044	0.16	8.76	87.61	399.50	9987.54
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.8	ND	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.8	ND	ND	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	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
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.02	0.061	ND	ND	ND	ND
Cannabinol Acetate (CBNO)	0.009	0.027	ND	ND	ND	ND
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.8	0.39	3.95	18.01	450.30
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.8	ND	ND	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND	ND	ND
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.8	ND	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.013	0.041	ND	ND	ND	ND
Δ9-THC-O-acetate (Δ9-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-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.021	0.062	ND	ND	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			0.58	5.82	26.54	663.67
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			9.34	93.43	426.05	10651.21
Total CBD (CBDa * 0.877 + CBD)			0.04	0.37	1.67	41.70
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			ND	ND	ND	ND
Total Cannabinoids Analyzed			9.80	98.01	446.93	11173.35



UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otenctification <LOQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colong forming Units per 1 gram TNTC Too Numerous to Count



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Brandon Starr

Brandon Starr, Quality Assurance Manager Mon, 14 Oct 2024 15:24:48 -0700

<mark>SD</mark>Pharm<mark>Labs</mark>



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