



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID:
Sample: C
Full Spectrum CBD Distillate
Strain: Full Spectrum CBD Distillate
Category: Concentrates & Extracts
Type: Distillate

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 09/24/2024; Received: 09/24/2024
Completed: 09/24/2024

Moisture NT	Total THC 2.46%	Total CBD 77.66%	Total Cannabinoids 84.45%	Sum of Cannabinoids 84.45%	Total Terpenes NT
Water Activity NT					

Summary

	SOP Used	Date Tested	
Batch	POT-PREP-001	09/19/2024	Pass
Cannabinoids	MICRO-PREP-001	09/23/2024	Pass
Microbials	PESTMICO-LC-PREP-001	09/19/2024	Pass
Mycotoxins	HM-PREP-001	09/19/2024	Pass
Heavy Metals	FM-PREP-001	09/18/2024	Pass
Foreign Matter	PESTMICO-LC-PREP-001 /	09/18/2024	Pass
Pesticides	PEST-GC-PREP-001		



Scan to see results

Cannabinoid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
THCa	0.3680	0.0924	ND	ND	CBGa	0.3965	0.1322	ND	ND
Δ9-THC	0.3680	0.1024	2.46	24.6	CBG	0.3920	0.1307	1.00	10.0
Δ8-THC	0.3680	0.0506	ND	ND	CBN	0.3680	0.0780	0.26	2.6
THCV	0.3680	0.0423	ND	ND	Total THC			2.46	24.56
CBDa	0.3680	0.0951	ND	ND	Total CBD			77.66	776.64
CBD	0.3680	0.0815	77.66	776.6	Total			84.45	844.47
CBDV	0.3680	0.0421	0.68	6.8	Sum of				
CBC	0.4549	0.1516	2.39	23.9	Cannabinoids			84.45	844.47

Total THC=THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD. Total Cannabinoids=(Acidic Cannabinoids)*0.877+Non-acidic Cannabinoids; Sum of Cannabinoids=Acidic Cannabinoids+Non-acidic Cannabinoids. LOD= Limit of Detection, LOQ= Limit of Quantitation, ND= Not Detected, NR= Not Reported. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids:UHLPLC-DAD(POT-INST-005),Moisture:Moisture Analyzer(MOISTURE-001),Water Activity:Water Activity Meter(WA-INST-002), Foreign Material:Microscope(FOREIGN-001). Density measured at 19-24 °C, Water Activity measured at 0-90% RH. All QA submitted by the client. All CA State Compliance sampled using SAMPL-SOP-001.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
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NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP TERP-INST-003.



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09/24/2024

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This product has been tested by Infinite Chemical Analysis, LLC using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 15730, pursuant to 16 CCR section 15726(e)(13). Values reported relate only to the product tested. Infinite Chemical Analysis, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Infinite Chemical Analysis, LLC.



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Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status
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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	0.2	Pass
Cadmium	ND	0.002	0.001	0.2	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	0.1	Pass

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Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Total Aerobic Plate Count	10000	ND	Pass
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
Total Coliforms	100	NR	NT
STEC		NR	NT
Enterobacteriaceae		NR	NT
Listeria		NR	NT
Pseudomonas aeruginosa		NR	NT
Salmonella SPP		NR	NT
Total E. coli		NR	NT
Staphylococcus aureus		NR	NT
Total Yeast and Mold	1000	NR	NT

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



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Chemical Residue Screening

Category 1					Mycotoxins				
	LOQ	LOD	Status		LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g		µg/kg	µg/kg	µg/kg		
Aldicarb	ND	0.030	0.008	Pass	B1	ND	8.98	2.96	Tested
Carbofuran	ND	0.030	0.005	Pass	B2	ND	10.17	3.36	Tested
Chlordane	ND	0.075	0.025	Pass	G1	ND	5.25	1.73	Tested
Chlorfenapyr	ND	0.075	0.025	Pass	G2	ND	6.26	2.07	Tested
Chlorpyrifos	ND	0.046	0.015	Pass	Ochratoxin A	ND	13.37	4.41	20
Coumaphos	ND	0.030	0.004	Pass	Total Aflatoxins	ND		20	Pass
Daminozide	ND	0.053	0.018	Pass					
Dichlorvos	ND	0.055	0.018	Pass					
Dimethoate	ND	0.030	0.006	Pass					
Ethoprophos	ND	0.030	0.006	Pass					
Etofenprox	ND	0.030	0.004	Pass					
Fenoxycarb	ND	0.030	0.004	Pass					
Fipronil	ND	0.050	0.017	Pass					
Imazalil	ND	0.030	0.009	Pass					
Methiocarb	ND	0.030	0.002	Pass					
Mevinphos	ND	0.030	0.008	Pass					
Paclobutrazol	ND	0.030	0.009	Pass					
Parathion Methyl	ND	0.024	0.008	Pass					
Propoxur	ND	0.030	0.008	Pass					
Spiroxamine	ND	0.030	0.006	Pass					
Thiacloprid	ND	0.030	0.005	Pass					

Category 2	LOQ				LOD	Limit	Status	Category 2	LOQ				LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g					µg/g	µg/g	µg/g	µg/g			
Abamectin	ND	0.099	0.033	0.1	Pass		Kresoxim Methyl	ND	0.030	0.007	0.1		Pass		
Acephate	ND	0.030	0.007	0.1	Pass		Malathion	ND	0.030	0.003	0.5		Pass		
Acequinocyl	ND	0.046	0.015	0.1	Pass		Metalaxyl	ND	0.030	0.005	2		Pass		
Acetamiprid	ND	0.030	0.005	0.1	Pass		Methomyl	ND	0.030	0.009	1		Pass		
Azoxystrobin	ND	0.030	0.005	0.1	Pass		Myclobutanil	ND	0.030	0.007	0.1		Pass		
Bifenazate	ND	0.030	0.007	0.1	Pass		Naled	ND	0.030	0.008	0.1		Pass		
Bifenthrin	ND	0.030	0.004	3	Pass		Oxamyl	ND	0.030	0.007	0.5		Pass		
Boscalid	ND	0.030	0.008	0.1	Pass		Pentachloronitrobenzene	ND	0.054	0.018	0.1		Pass		
Captan	ND	0.358	0.120	0.7	Pass		Permethrin	ND	0.030	0.002	0.5		Pass		
Carbaryl	ND	0.030	0.006	0.5	Pass		Phosmet	ND	0.030	0.005	0.1		Pass		
Chlorantraniliprole	ND	0.030	0.009	10	Pass		Piperonyl Butoxide	0.078	0.030	0.003	3		Pass		
Clofentezine	ND	0.030	0.002	0.1	Pass		Prallethrin	ND	0.071	0.023	0.1		Pass		
Cyfluthrin	ND	0.056	0.019	2	Pass		Propiconazole	ND	0.030	0.009	0.1		Pass		
Cypermethrin	ND	0.181	0.060	1	Pass		Pyrethrins	ND	0.030	0.003	0.5		Pass		
Diazinon	ND	0.030	0.005	0.1	Pass		Pyridaben	ND	0.030	0.002	0.1		Pass		
Dimethomorph	ND	0.030	0.005	2	Pass		Spinetoram	ND	0.030	0.001	0.1		Pass		
Etoxazole	ND	0.030	0.004	0.1	Pass		Spinosad	ND	0.030	0.001	0.1		Pass		
Fenhexamid	ND	0.034	0.011	0.1	Pass		Spiromesifen	ND	0.030	0.009	0.1		Pass		
Fenpyroximate	ND	0.030	0.004	0.1	Pass		Spirotetramat	ND	0.030	0.008	0.1		Pass		
Flonicamid	ND	0.035	0.012	0.1	Pass		Tebuconazole	ND	0.030	0.006	0.1		Pass		
Fludioxonil	ND	0.036	0.012	0.1	Pass		Thiamethoxam	ND	0.030	0.008	5		Pass		
Hexythiazox	ND	0.030	0.001	0.1	Pass		Trifloxystrobin	ND	0.030	0.003	0.1		Pass		
Imidacloprid	ND	0.033	0.011	5	Pass										

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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Certificate of Analysis Appendix

Residual Solvents

Analyte	Result (ug/g)	LOD (ug/g)	LOQ (ug/g)	Action Limit(ug/g)	Status
1,2 Dimethoxyethane	ND	5.9917	17.975	100	Pass
1,4 Dioxane	ND	12.8684	38.6052	380	Pass
1-Butanol	ND	3.1446	9.4337	5,000	Pass
1-Pentanol	ND	9.9794	29.9383	5,000	Pass
1-Propanol	ND	6.9987	20.9962	5,000	Pass
2-Butanol	ND	9.5709	28.7127	5,000	Pass
2-Butanone	ND	7.2129	21.6386	5,000	Pass
2-Ethoxyethanol	ND	3.8723	11.6169	160	Pass
2-methylbutane	ND	0.679	2.037	5,000	Pass
2-methylpentane	ND	9.0715	27.2145	290	Pass
3-methylpentane	ND	7.3795	22.1384	290	Pass
2-Propanol (IPA)	ND	11.5286	34.5857	5,000	Pass
Acetone	ND	8.2267	24.6802	5,000	Pass
Acetonitrile	ND	8.3746	25.1238	410	Pass
Benzene	ND	0.3588	1.0763	2	Pass
Butane	ND	9.552	28.6559	5,000	Pass
Cumene	ND	8.32	24.96	70	Pass
Cyclohexane	ND	8.4235	25.2705	3,880	Pass
Dichloromethane	ND	3.9511	11.8533	600	Pass
2,2-dimethylbutane	ND	0.8804	2.6412	290	Pass
2,3-dimethylbutane	ND	0.9493	2.8479	290	Pass
Dimethyl sulfoxide	ND	8.3992	25.1976	5,000	Pass
Ethanol	ND	4.8156	14.4469	5,000	Pass
Ethyl acetate	ND	14.2542	42.7625	5,000	Pass
Ethyl ether	ND	6.8124	20.4372	5,000	Pass
Ethylene glycol	ND	3.4447	10.334	620	Pass
Ethylene Oxide	ND	6.5244	19.5733	50	Pass
Heptane	ND	0.4144	1.2431	5,000	Pass
Hexane	ND	0.5026	1.5078	290	Pass
Isobutane	ND	10.2495	30.7486	5,000	Pass
Isopropyl acetate	ND	4.1274	12.3823	5,000	Pass
Methanol	ND	18.42	55.26	3,000	Pass
N,N-dimethylacetamide	ND	268.955	806.8649	1,090	Pass
N,N-dimethylformamide	ND	2.7382	8.2147	880	Pass
Pentane	ND	0.8382	2.5146	5,000	Pass
Propane	ND	7.9467	23.8402	5,000	Pass
Pyridine	ND	19.55	58.64	100	Pass
Sulfolane	ND	22.886	68.6581	160	Pass
Tetrahydrofuran	ND	6.2156	18.6469	720	Pass
Toluene	ND	0.4061	1.2184	890	Pass
Total Xylenes	ND	10.3738	31.1216	2,170	Pass

Josh M Swider

Josh Swider
Lab Director, CEO

Full Spectrum CBD Distillate
9/19/2024