



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

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

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 04/12/2023; Received: 04/12/2023
Completed: 04/12/2023

Moisture
NT
Water Activity
NT

Total THC
ND

Total CBD
72.49%

Total Cannabinoids
83.77%

Total Terpenes
NT

Summary

SOP Used

Date Tested

Batch	POT-PREP-001	04/10/2023	Pass
Cannabinoids	RS-PREP-001		Complete
Residual Solvents	PESTMYCO-LC-PREP-001	04/10/2023	Complete
Mycotoxins	HM-PREP-001	04/10/2023	Pass
Heavy Metals	FM-PREP-001	04/10/2023	Pass
Foreign Matter	PESTMYCO-LC-PREP-001 /	04/10/2023	Pass
Pesticides	PEST-GC-PREP-001		Pass



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	CBE	0.9109	0.0443	4.82	48.2
Δ9-THC	0.3680	0.1024	ND	ND	CBGa	0.3965	0.1322	ND	ND
Δ8-THC	0.3680	0.0506	ND	ND	CBG	0.3920	0.1307	0.73	7.3
THCVa	0.4587	0.1529	ND	ND	CBLa	3.1232	1.0411	ND	ND
THCV	0.3680	0.0423	ND	ND	CBL	0.3680	0.1106	0.18	1.8
Δ8-THCV	0.8800	0.0174	ND	ND	CBNa	0.3731	0.1244	ND	ND
CBDa	0.3680	0.0951	ND	ND	CBN	0.3680	0.0780	1.15	11.5
CBD	0.3680	0.0815	72.49	724.9	CBT	0.3680	0.0906	0.87	8.7
CBDVa	0.3680	0.1063	ND	ND	9R-HHC	0.7752	0.0248	ND	ND
CBDV	0.3680	0.0421	0.60	6.0	9S-HHC	0.7983	0.0420	ND	ND
CBD	0.9086	0.0378	0.14	1.4	Δ9-THC Acetate	0.8814	0.0263	ND	ND
CBDp	0.9061	0.0321	ND	ND	Δ8-THC Acetate	0.8749	0.0303	ND	ND
CBCa	0.5083	0.1694	ND	ND	HHC-O Acetate	0.8145	0.0500	ND	ND
CBC	0.4549	0.1516	2.65	26.5	THD	0.8444	0.0298	ND	ND
CBCV	0.3680	0.0691	0.15	1.5	Total THC			ND	ND
					Total CBD			72.49	724.90
					Total			83.77	837.70

Total THC=THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD. 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:UHPLC-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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Josh M Swider

Josh Swider
Lab Director, Managing Partner
04/12/2023

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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			
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g			
1,2-Dichloro-Ethane	NR	0.509	0.17	1	NT	Acetone	NR	51.246	17.082	5000	NT	n-Hexane	NR	0.2807	0.066	290	NT
Benzene	NR	0.064	0.021	1	NT	Acetonitrile	NR	0.359	0.12	410	NT	Isopropanol	NR	3.8401	1.28	5000	NT
Chloroform	NR	0.108	0.036	1	NT	Butane	NR	4.849	0.971	5000	NT	Methanol	NR	8.917	2.972	3000	NT
Ethylene Oxide	NR	0.579	0.153	1	NT	Ethanol	NR	7.843	2.614	5000	NT	Pentane	NR	4.271	0.962	5000	NT
Methylene-Chloride	NR	0.7288	0.127	1	NT	Ethyl-Acetate	NR	2.288	0.313	5000	NT	Propane	NR	13.302	4.434	5000	NT
Trichloroethene	NR	0.145	0.018	1	NT	Ethyl-Ether	NR	3.548	1.183	5000	NT	Toluene	NR	0.864	0.088	890	NT
						Heptane	NR	2.859	0.687	5000	NT	Xylenes	NR	2.572	0.216	2170	NT

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 RS-INST-003.

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

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

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



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Chemical Residue Screening

Category 1		LOQ	LOD	Status	Mycotoxins		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g			µg/kg	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	Pass
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	<LOQ	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	<LOQ	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	<LOQ	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	ND	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

This report supersedes any previous revision with this reference. This document must not be reproduced, except in full. If samples were provided by the customer, results apply only to the samples 'as received' and responsibility for representative sampling rests with the customer. Infinite Chemical Analysis Labs, LLC makes no claims pertaining to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein.

Residual Solvents

Analyte	Result (ug/g)	LOD (ug/g)	LOQ (ug/g)	Action Limit (ug/g)	Status
1,2 Dimethoxyethane	2.43	5.9917	17.975	100	Pass
1,4 Dioxane	ND	12.8684	38.6052	380	Pass
1-Butanol	7.20	3.1446	9.4337	5,000	Pass
1-Pentanol	ND	9.9794	29.9383	5,000	Pass
1-Propanol	4.94	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
1,2-dimethylbenzene	ND	8.7503	26.251	2,170	Pass
1,3 & 1,4-dimethylbenzene	ND	1.6235	4.8706	2,170	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
Ethylbenzene	ND	3.511	10.533	2,170	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
Methylpropane	ND	10.2495	30.7486	5,000	Pass
2-Methylpentane	ND	9.0715	27.2145	290	Pass
3-Methylpentane	ND	7.3795	22.1384	290	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

Josh M Swider

Josh Swider
Lab Director, CEO
April 7, 2023

Analysis Location

All analyses were completed by Infinite Chemical Analysis – San Diego.

Analysis Comments

Method ID: RS-001

¹Client limit is self-selected and will be replaced by official CA state limits when they become available.

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 (dimethylbenzenes)	ND	10.3738	31.1216	2,170	Pass


Josh Swider
Lab Director, CEO
April 7, 2023