



Certificate of Analysis

CDPHE QA SAMPLE

1 of 3

ICAL ID:
Sample: CA220825-011-017
Example
Strain: Example
Category: Concentrates & Extracts

Infinite Chemical Analysis Labs
Lic. #
8312 Miramar Mall
San Diego, CA 92121
Lic. #

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 08/25/2022; Received: 08/25/2022
Completed: 08/25/2022

Moisture NT Water Activity NT	Total THC ND	Total CBD 99.99%	Total Cannabinoids 99.99%	Total Terpenes 0.000 mg/g
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Summary	SOP Used	Date Tested
Batch		
Cannabinoids	CO-POT-PREP-001	08/25/2022
Terpenes	TERP.002.E	08/25/2022
Residual Solvents	CO-RS-PREP-001	08/25/2022
Microbials	MICRO-PREP-001	08/25/2022
Mycotoxins	CO-PESTMYCO-LC-PREP-001	08/25/2022
Heavy Metals	CO-HM-PREP-001	08/25/2022
Pesticides	CO-PESTMYCO-LC-PREP-001 / CO-PEST-GC-PREP-001	08/25/2022



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	CBDV	0.3680	0.0421	ND	ND
Δ9-THC	0.3680	0.1024	ND	ND	CBN	0.3680	0.0780	ND	ND
Δ8-THC	0.3680	0.0506	ND	ND	CBGa	0.3965	0.1322	ND	ND
THCV	0.3680	0.0423	ND	ND	CBG	0.3920	0.1307	ND	ND
CBDa	0.3680	0.0951	ND	ND	CBC	0.4549	0.1516	ND	ND
CBD	0.3680	0.0815	99.99	999.9	Total THC			ND	ND
					Total CBD			99.99	999.90
					Total			99.99	999.90

Total THC = THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD. NR = Not Reported, ND = Not Detected. Potency is reported on a dry weight basis. Instrumentation and analysis SOPs used: Cannabinoids: UHPLC-DAD (POT-INST-005), Moisture: Moisture Analyzer (MOISTURE-001). The measurement of uncertainty for total THC concentration is $\pm 0.009\%$.

Terpene Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
α-Bisabolol	0.162	0.054	ND	ND	δ-3-Carene	0.306	0.030	ND	ND
α-Cedrene	0.151	0.029	ND	ND	δ-Limonene	0.306	0.053	ND	ND
α-Humulene	0.151	0.032	ND	ND	Eucalyptol	0.221	0.074	ND	ND
α-Pinene	0.151	0.028	ND	ND	Fenchol	0.152	0.029	ND	ND
α-Terpinene	0.151	0.045	ND	ND	Fenchone	0.151	0.010	ND	ND
α-Terpineol	0.154	0.049	ND	ND	γ-Terpinene	0.152	0.033	ND	ND
β-Caryophyllene	0.684	0.228	ND	ND	Geraniol	0.609	0.138	ND	ND
β-Eudesmol	0.192	0.064	ND	ND	Geranyl Acetate	0.151	0.020	ND	ND
β-Myrcene	0.153	0.017	ND	ND	Isoborneol	0.151	0.022	ND	ND
β-Pinene	0.306	0.020	ND	ND	Linalool	0.154	0.030	ND	ND
Borneol	0.154	0.027	ND	ND	Menthol	0.170	0.057	ND	ND
Camphene	0.151	0.009	ND	ND	(-)-Guaiol	0.154	0.033	ND	ND
Camphor	0.371	0.124	ND	ND	Pulegone	0.178	0.059	ND	ND
Caryophyllene Oxide	0.602	0.129	ND	ND	p-Cymene	1.068	0.356	ND	ND
Cedrol	0.151	0.039	ND	ND	Terpinolene	0.154	0.014	ND	ND
cis-Nerolidol	0.264	0.088	ND	ND	trans-Nerolidol	0.230	0.077	ND	ND
Citronellol	0.598	0.138	ND	ND	Total			0	0

NR = Not Reported (no analysis was performed); ND = Not Detected (the concentration is less then the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP CO-TERP-INST-003.



Infinite Chemical Analysis Labs
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Josh Swider
Lab Director, Managing Partner
08/25/2022

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This product has been tested by Infinite Chemical Analysis Labs, LLC using validated testing methods and a quality control system as required by state law. Sample processing and testing was performed in accordance with CDPHE Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations (6 CCR 1010-21). Values reported relate only to the product tested. 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. This Certificate shall not be reproduced except in full without the written approval of Infinite Chemical Analysis Labs, 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		
1,2-Dichloro-Ethane	μg/g	μg/g	μg/g	μg/g	ND	0.509	0.167	1	Pass	Acetone	μg/g	μg/g	μg/g	μg/g		
Benzene	ND	0.0639	0.021	1	Pass	ND	0.359	0.12	410	Pass	n-Hexane	ND	0.281	0.066	290	
Chloroform	ND	0.108	0.036	1	Pass	Butane	ND	4.849	0.971	5000	Pass	Isopropanol	ND	3.84	1.28	5000
Ethylene Oxide	ND	0.579	0.153	1	Pass	Ethanol	ND	7.843	2.614	5000	Pass	Methanol	ND	8.917	2.972	3000
Methylene-Chloride	ND	0.729	0.127	1	Pass	Ethyl-Acetate	ND	2.288	0.313	5000	Pass	Pentane	ND	4.271	0.962	5000
Trichloroethene	ND	0.145	0.018	1	Pass	Ethyl-Ether	ND	3.548	1.183	5000	Pass	Propane	ND	13.302	4.434	5000
						Heptane	ND	2.859	0.687	5000	Pass	Toluene	ND	0.864	0.088	890
							ND	0.857	0.101	2170	Pass	Xylenes	ND			

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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	1.5
Cadmium	ND	0.002	0.001	0.5
Lead	ND	0.004	0.001	0.5
Mercury	ND	0.014	0.005	1.5

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

Microbiological Screening

	Limit	Result	Status
	CFU/g	CFU/g	
Salmonella SPP		Not Detected	Pass
STEC		Not Detected	Pass
Total Coliforms	100	ND	Pass
Total Aerobic Plate Count	10000	ND	Pass
Total Yeast and Mold	1000	ND	Pass

ND = Not Detected. Analytical instrumentation used: qPCR and microbial plating; samples analyzed according to SOPs MIC-002 and MIC-004B at Infinite Chemical Analysis Labs, Michigan (4400 Ann Arbor Rd, Jackson, MI 49202).



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Chemical Residue Screening

Analytes	LOQ	LOD	Limit	Status	Analytes	LOQ	LOD	Limit	Status		
Abamectin	µg/g	µg/g	µg/g	µg/g	Fludioxonil	ND	0.010	0.005	0.010	Pass	
Acephate	ND	0.100	0.050	0.250	Pass	Fluopyram	ND	0.005	0.005	0.010	Pass
Acetonilide	ND	0.030	0.010	0.050	Pass	Hexythiazox	ND	0.030	0.010	0.030	Pass
Acetamiprid	ND	0.075	0.020	0.075	Pass	Imazalil	ND	0.010	0.005	0.010	Pass
Aldicarb	ND	0.030	0.010	0.050	Pass	Imidacloprid	ND	0.010	0.005	0.010	Pass
Allethrin	ND	0.030	0.015	0.100	Pass	Iprodione	ND	0.475	0.158	0.500	Pass
Atrazine	ND	0.005	0.005	0.005	Pass	Kinoprene	ND	0.221	0.074	1.250	Pass
Azadirachtin	ND	0.050	0.030	0.500	Pass	Kresoxim Methyl	ND	0.030	0.010	0.150	Pass
Azoxystrobin	ND	0.010	0.005	0.010	Pass	Lambda-Cyhalothrin	ND	0.050	0.030	0.050	Pass
Benzovindiflupyr	ND	0.005	0.005	0.010	Pass	Malathion	ND	0.010	0.005	0.010	Pass
Bifenazate	ND	0.010	0.005	0.010	Pass	Metalaxyl	ND	0.010	0.005	0.010	Pass
Bifenthrin	ND	0.030	0.005	0.030	Pass	Methiocarb	ND	0.010	0.005	0.010	Pass
Boscalid	ND	0.010	0.005	0.010	Pass	Methomyl	ND	0.025	0.010	0.025	Pass
Buprofezin	ND	0.030	0.015	0.030	Pass	Methoprene	ND	0.050	0.025	0.050	Pass
Captan	ND	0.358			Tested	Mevinphos	ND	0.025	0.010	0.025	Pass
Carbaryl	ND	0.025	0.010	0.025	Pass	MGK-264	ND	0.016	0.005	0.050	Pass
Carbofuran	ND	0.010	0.005	0.010	Pass	Myclobutanil	ND	0.010	0.005	0.010	Pass
Chlorantraniliprole	ND	0.030	0.010	0.030	Pass	Naled	ND	0.030	0.020	0.030	Pass
Chlordane	ND				Tested	Novaluron	ND	0.020	0.010	0.025	Pass
Chlorfenapyr	ND	0.024	0.008	1.500	Pass	Oxamyl	ND	0.030	0.020	1.500	Pass
Chlorpyrifos	ND	0.075	0.010	0.500	Pass	Paclobutrazol	ND	0.010	0.005	0.010	Pass
Clofentezine	ND	0.010	0.005	0.010	Pass	Parathion Methyl	ND	0.026	0.009	0.026	Pass
Clothianidin	ND	0.010	0.005	0.025	Pass	Pentachloronitrobenzene	ND	0.016	0.005	0.016	Pass
Coumaphos	ND	0.010	0.005	0.010	Pass	Permethrin	ND	0.030	0.020	0.030	Pass
Cyantraniliprole	ND	0.010	0.005	0.010	Pass	Phenothrin	ND	0.030	0.015	0.030	Pass
Cyfluthrin	ND	0.038	0.013	0.038	Pass	Phosmet	ND	0.030	0.020	0.030	Pass
Cypermethrin	ND	0.053	0.018	0.053	Pass	Piperonyl Butoxide	ND	0.030	0.010	1.250	Pass
Cyprodinil	ND	0.010	0.005	0.010	Pass	Pirimicarb	ND	0.010	0.005	0.010	Pass
Daminozide	ND	0.075	0.050	0.075	Pass	Prallethrin	ND	0.075	0.030	0.075	Pass
Deltamethrin	ND	0.050	0.025	0.050	Pass	Propiconazole	ND	0.030	0.010	0.030	Pass
Diazinon	ND	0.030	0.010	0.030	Pass	Propoxur	ND	0.010	0.005	0.010	Pass
Dichlorvos	ND	0.050	0.020	0.050	Pass	Pyraclostrobin	ND	0.010	0.005	0.010	Pass
Dimethoate	ND	0.010	0.005	0.010	Pass	Pyrethrins	ND	0.045	0.010	0.045	Pass
Dimethomorph	ND	0.030	0.010	0.030	Pass	Pyridaben	ND	0.020	0.010	0.020	Pass
Dinotefuran	ND	0.050	0.025	0.050	Pass	Pyriproxyfen	ND	0.010	0.005	0.010	Pass
Diuron	ND	0.010	0.005	0.010	Pass	Resmethrin	ND	0.050	0.025	0.050	Pass
Dodemorph	ND	0.020	0.010	0.020	Pass	Spinetoram	ND	0.010	0.005	0.010	Pass
Endosulfan I	ND	0.353	0.118	2.500	Pass	Spinosad	ND	0.010	0.005	0.010	Pass
Endosulfan II	ND	0.239	0.080	2.500	Pass	Spirodiclofen	ND	0.050	0.025	0.050	Pass
Endosulfan Sulfate	ND	0.026	0.009	2.500	Pass	Spiromesifen	ND	0.030	0.010	0.030	Pass
Ethoprophos	ND	0.010	0.005	0.010	Pass	Spirotetramat	ND	0.010	0.005	0.010	Pass
Etofenprox	ND	0.030	0.010	0.030	Pass	Spiroxamine	ND	0.030	0.020	0.030	Pass
Etoxazole	ND	0.030	0.010	0.030	Pass	Tebuconazole	ND	0.010	0.005	0.010	Pass
Etridiazole	ND	0.044	0.015	0.150	Pass	Tebufenozide	ND	0.010	0.005	0.010	Pass
Fenhexamid	ND	0.045	0.020	0.045	Pass	Teflubenzuron	ND	0.020	0.010	0.025	Pass
Fenoxycarb	ND	0.010	0.005	0.010	Pass	Tetrachlorvinphos	ND	0.010	0.005	0.010	Pass
Fenpyroximate	ND	0.030	0.010	0.030	Pass	Tetramethrin	ND	0.050	0.025	0.050	Pass
Fensulfothion	ND	0.010	0.005	0.010	Pass	Thiabendazole	ND	0.010	0.005	0.010	Pass
Fenthion	ND	0.007	0.002	0.010	Pass	Thiaclorpid	ND	0.010	0.005	0.010	Pass
Fenvalerate	ND	0.402	0.134	4.02	Pass	Thiamethoxam	ND	0.010	0.005	0.010	Pass
Fipronil	ND	0.010	0.005	0.010	Pass	Thiophanate-Methyl	ND	0.020	0.010	0.020	Pass
Flonicamid	ND	0.025	0.010	0.025	Pass	Trifloxystrobin	ND	0.010	0.005	0.010	Pass

Mycotoxins	LOQ	LOD	Limit	Status	Mycotoxins	LOQ	LOD	Limit	Status
B1	µg/kg	µg/kg	µg/kg	µg/kg	G2	µg/kg	µg/kg	µg/kg	µg/kg
B2	ND	8.98	2.96	Tested	Ochratoxin A	ND	6.26	2.07	Tested
G1	ND	10.17	3.36	Tested	Total Aflatoxins	ND	13.37	4.41	Pass

Other Analyte(s):

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



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