



Certificate of Analysis

OFFICIAL CDPHE COMPLIANCE

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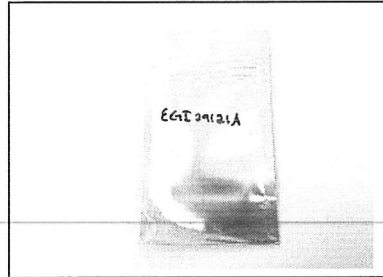
ICAL ID: CO 20220107-002
Sample: CA220110-016-041
CBD Isolate- EGI29121A
Strain: CBD Isolate- EGI29121A
Category: Concentrates & Extracts

EcoGen BioSciences
Lic. #
81668 B50 Rd
Delta, CO 81416
Lic. #

Batch#: EGI29121A
Batch Size Collected:
Total Batch Size:
Collected: 01/17/2022; Received: 01/17/2022
Completed: 01/17/2022

Moisture NT Water Activity NT	Total THC ND	Total CBD 99.23%	Total Cannabinoids 99.73%	Total Terpenes NT
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Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	CO-POT-PREP-001 High	01/10/2022	Pass
Residual Solvents	CO-RS-PREP-001	01/10/2022	Pass
Microbials	MIC-002 / MIC-004B	01/11/2022	Pass
Mycotoxins	CO-PESTMYCO-LC-PREP-	01/10/2022	Pass
Heavy Metals	001 CO-HM-PREP-001	01/11/2022	Pass
Pesticides	CO-PESTMYCO-LC-PREP-001 / CO-PEST-GC-PREP-001	01/10/2022	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	0.5060	0.1271	ND	ND	CBDV	0.5060	0.0579	0.50	5.0
Δ9-THC	0.5060	0.1408	ND	ND	CBN	0.5060	0.1073	ND	ND
Δ8-THC	0.5060	0.0695	ND	ND	CBGa	0.5452	0.1817	ND	ND
THCV	0.5060	0.0582	ND	ND	CBG	0.5390	0.1797	ND	ND
CBDa	0.5060	0.1307	ND	ND	CBC	0.6255	0.2085	ND	ND
CBD	0.5060	0.1121	99.23	992.3	Total THC			ND	ND
					Total CBD			99.23	992.33
					Total			99.73	997.31

Total THC = THCa * 0.877 + Δ9-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 ± 0.009%.

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 CO-TERP-INST-003.



Infinite Chemical Analysis Labs
8380 Miramar Mall #102
San Diego, CA
(858) 623-2740
www.infiniteCAL.com
Lic# C8-0000019-LIC

Josh M Swider

Josh Swider
Lab Director, Managing Partner
01/17/2022

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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com



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			
	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	ND	0.5091	0.1697	1	Pass	Acetone	ND	51.2457	17.0819	5000	Pass	n-Hexane	ND	0.2807	0.0659	290	Pass
Benzene	ND	0.0639	0.0213	1	Pass	Acetonitrile	ND	0.3593	0.1198	410	Pass	Isopropanol	ND	3.8401	1.28	5000	Pass
Chloroform	ND	0.1084	0.0361	1	Pass	Butane	ND	4.8491	0.9709	5000	Pass	Methanol	ND	8.9165	2.9722	3000	Pass
Ethylene Oxide	ND	0.5787	0.1529	1	Pass	Ethanol	ND	7.8434	2.6145	5000	Pass	Pentane	ND	4.2706	0.9619	5000	Pass
Methylene-Chloride	ND	0.7288	0.1267	1	Pass	Ethyl-Acetate	ND	2.2878	0.3125	5000	Pass	Propane	ND	13.3022	4.4341	5000	Pass
Trichloroethene	ND	0.1454	0.0179	1	Pass	Ethyl-Ether	ND	3.5475	1.1825	5000	Pass	Toluene	ND	0.8637	0.0882	890	Pass
						Heptane	18.6	2.8588	0.6866	5000	Pass	Xylenes	ND	0.857	0.1007	2170	Pass

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 CO-RS-INST-003.

Heavy Metal Screening

	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g	µg/g	
Arsenic	ND	0.009	0.003	1.5	Pass
Cadmium	ND	0.002	0.001	0.5	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	1.5	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 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

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	0.010	Pass	B1	ND	8.98	2.96	Tested	
Carbofuran	ND	0.010	0.005	Pass	B2	ND	10.17	3.36	Tested	
Chlorfenapyr	ND	0.024	0.008	Pass	G1	ND	5.25	1.73	Tested	
Chlorpyrifos	ND	0.075	0.010	Pass	G2	ND	6.26	2.07	Tested	
Coumaphos	ND	0.010	0.005	Pass	Ochratoxin A	ND	13.37	4.41	20	Pass
Daminozide	ND	0.075	0.050	Pass	Total Aflatoxins	ND		20	Pass	
Dichlorvos	ND	0.050	0.020	Pass						
Dimethoate	ND	0.010	0.005	Pass						
Ethoprophos	ND	0.010	0.005	Pass						
Etofenprox	ND	0.030	0.010	Pass						
Fenoxycarb	ND	0.010	0.005	Pass						
Fipronil	ND	0.010	0.005	Pass						
Imazalil	ND	0.010	0.005	Pass						
Methiocarb	ND	0.010	0.005	Pass						
Mevinphos	ND	0.025	0.010	Pass						
MGK-264	ND	0.006	0.005	Pass						
Paclbutrazol	ND	0.010	0.005	Pass						
Parathion Methyl	ND	0.026	0.009	Pass						
Propoxur	ND	0.010	0.005	Pass						
Spiroxamine	ND	0.030	0.020	Pass						
Thiacloprid	ND	0.010	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	0.100	0.050	0.25	Pass	Kresoxim Methyl	ND	0.030	0.010	0.15	Pass
Acephate	ND	0.030	0.010	0.05	Pass	Malathion	ND	0.010	0.005	0.01	Pass
Acequinocyl	ND	0.075	0.020	0.075	Pass	Metalaxyl	ND	0.010	0.005	0.01	Pass
Acetamiprid	ND	0.030	0.010	0.05	Pass	Methomyl	ND	0.025	0.010	0.025	Pass
Azoxystrobin	ND	0.010	0.005	0.01	Pass	Myclobutanil	ND	0.010	0.005	0.01	Pass
Bifenazate	ND	0.010	0.005	0.01	Pass	Naled	ND	0.030	0.020	0.03	Pass
Bifenthrin	ND	0.030	0.005	0.03	Pass	Oxamyl	ND	0.030	0.020	1.5	Pass
Boscalid	ND	0.010	0.005	0.01	Pass	Pentachloronitrobenzene	ND	0.016	0.005	0.016	Pass
Carbaryl	ND	0.025	0.010	0.025	Pass	Permethrin	ND	0.030	0.020	0.03	Pass
Chlorantranilprole	ND	0.030	0.010	0.03	Pass	Phosmet	ND	0.030	0.020	0.03	Pass
Clofentazine	ND	0.010	0.005	0.01	Pass	Piperonyl Butoxide	ND	0.030	0.010	1.25	Pass
Cyfluthrin	ND	0.038	0.013	0.0384	Pass	Prallethrin	ND	0.075	0.030	0.075	Pass
Cypermethrin	ND	0.053	0.018	0.0525	Pass	Propiconazole	ND	0.030	0.010	0.03	Pass
Diazinon	ND	0.030	0.010	0.03	Pass	Pyrethrins	ND	0.045	0.010	0.045	Pass
Dimethomorph	ND	0.030	0.010	0.03	Pass	Pyridaben	ND	0.020	0.010	0.02	Pass
Etoxazole	ND	0.030	0.010	0.03	Pass	Spinetoram	ND	0.010	0.005	0.01	Pass
Fenhexamid	ND	0.045	0.020	0.045	Pass	Spinosad	ND	0.010	0.005	0.01	Pass
Fenpyroximate	ND	0.030	0.010	0.03	Pass	Spiromesifen	ND	0.030	0.010	0.03	Pass
Fonicamid	ND	0.025	0.010	0.025	Pass	Spirotetramat	ND	0.010	0.005	0.01	Pass
Fludioxonil	ND	0.010	0.005	0.01	Pass	Tebuconazole	ND	0.010	0.005	0.01	Pass
Hexythiazox	ND	0.030	0.010	0.03	Pass	Thiamethoxam	ND	0.010	0.005	0.01	Pass
Imidacloprid	ND	0.010	0.005	0.01	Pass	Trifloxystrobin	ND	0.010	0.005	0.01	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 CO-PESTMCO-LC-INST-004 and CO-PEST-GC-INST-004 and CO-PEST-GC-INST-003.



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