



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 3

ICAL ID: 20240130-016
 Sample: CA240130-005-016
 Cypress Hemp - 900mg Full Spectrum - Peppermint
 - Certified Organic ITM002458
 Strain: Cypress Hemp - 900mg Full Spectrum -
 Peppermint - Certified Organic ITM002458
 Category: Ingestible
 Type: Tincture

Open Book Extracts
 Lic. #
 317 Lucy Garrett Rd
 Roxboro, NC 27574
 Lic. #

Batch#: 1303
 Batch Size Collected:
 Total Batch Size:
 Collected: 01/30/2024; Received: 01/30/2024
 Completed: 01/30/2024

Moisture NT Water Activity NT	Δ9-THC 23.66 mg/unit	CBD 920.69 mg/unit	Total Cannabinoids 1,008.44 mg/unit	Total Terpenes NT
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Summary	SOP Used	Date Tested	
Batch	POT-PREP-004	01/30/2024	Complete
Cannabinoids	RS-PREP-001		Complete
Residual Solvents			Complete
Microbials			Complete
Mycotoxins	PESTMYCO-LC-PREP-001		Complete
Heavy Metals	HM-PREP-001		Complete
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001		Complete



Scan to see results

Cannabinoid Profile

1 Unit = bottle, 28.57 g. 1 mL = 0.93 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0368	0.0123	ND	ND	ND	ND	CBGa	0.0534	0.0178	ND	ND	ND	ND
Δ9-THC	0.0368	0.0053	0.083	0.83	0.77	23.66	CBG	0.0368	0.0061	0.058	0.58	0.54	16.66
Δ8-THC	0.0368	0.0055	ND	ND	ND	ND	CBN	0.0368	0.0074	ND	ND	ND	ND
THCV	0.0368	0.0048	ND	ND	ND	ND	Total THC			0.08	0.83	0.77	23.66
CBDa	0.0368	0.0059	0.023	0.23	0.21	6.46	Total CBD			3.24	32.42	30.15	926.35
CBD	0.0368	0.0050	3.223	32.23	29.97	920.69	Total			3.53	35.30	32.83	1008.44
CBDV	0.0368	0.0049	0.015	0.15	0.14	4.37							
CBC	0.0444	0.0148	0.131	1.31	1.22	37.41							

Total THC=THCa * 0.877 + Δ9-THC + Δ8-THC + Δ8-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
 01/30/2024

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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			
	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	0.31	0.1032	1	NT	Acetone	NR	51.246	2.572	5000	NT	n-Hexane	NR	0.931	0.31	290	NT
Benzene	NR	0.088	0.023	1	NT	Acetonitrile	NR	0.798	0.266	410	NT	Isopropanol	NR	5.037	1.679	5000	NT
Chloroform	NR	0.174	0.058	1	NT	Butane	NR	4.849	1.114	5000	NT	Methanol	NR	4.665	1.555	3000	NT
Ethylene Oxide	NR	0.757	0.252	1	NT	Ethanol	NR	40.542	13.513	5000	NT	Pentane	NR	17.255	5.752	5000	NT
Methylene-Chloride	NR	0.729	0.148	1	NT	Ethyl-Acetate	NR	2.288	0.436	5000	NT	Propane	NR	26.11	8.703	5000	NT
Trichloroethene	NR	0.19	0.063	1	NT	Ethyl-Ether	NR	2.869	0.593	5000	NT	Toluene	NR	0.864	0.136	890	NT
						Heptane	NR	6.548	2.183	5000	NT	Xylenes	NR	0.857	0.241	2170	NT

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Heavy Metal Screening

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

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
	CFU/g	CFU/g	
Aspergillus flavus		NR	NT
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		NR	NT
Salmonella SPP		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	LOQ	LOD	Status	Mycotoxins	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g		µg/kg	µg/kg	µg/kg			
Aldicarb	NR	0.030	0.009	NT	B1	NR	6.2	2.05	NT	
Carbofuran	NR	0.030	0.002	NT	B2	NR	5	1.63	NT	
Chlordane	NR	0.075	0.025	NT	G1	NR	5.38	1.77	NT	
Chlorfenapyr	NR	0.075	0.025	NT	G2	NR	5	1.02	NT	
Chlorpyrifos	NR	0.030	0.008	NT	Ochratoxin A	NR	16.41	5.42	20	NT
Coumaphos	NR	0.030	0.005	NT	Total Aflatoxins	NR		20	NT	
Daminozide	NR	0.033	0.011	NT						
Dichlorvos	NR	0.030	0.007	NT						
Dimethoate	NR	0.030	0.007	NT						
Ethoprophos	NR	0.030	0.004	NT						
Etofenprox	NR	0.030	0.006	NT						
Fenoxycarb	NR	0.030	0.006	NT						
Fipronil	NR	0.030	0.008	NT						
Imazalil	NR	0.030	0.009	NT						
Methiocarb	NR	0.030	0.005	NT						
Mevinphos	NR	0.032	0.011	NT						
Paclbutrazol	NR	0.030	0.006	NT						
Parathion Methyl	NR	0.024	0.008	NT						
Propoxur	NR	0.030	0.005	NT						
Spiroxamine	NR	0.030	0.003	NT						
Thiacloprid	NR	0.030	0.002	NT						

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	NR	0.039	0.013	0.3	NT	Kresoxim Methyl	NR	0.030	0.007	1	NT
Acephate	NR	0.063	0.021	5	NT	Malathion	NR	0.030	0.005	5	NT
Acequinocyl	NR	0.035	0.011	4	NT	Metalaxyl	NR	0.030	0.003	15	NT
Acetamiprid	NR	0.030	0.006	5	NT	Methomyl	NR	0.030	0.006	0.1	NT
Azoxystrobin	NR	0.030	0.003	40	NT	Myclobutanil	NR	0.030	0.007	9	NT
Bifenazate	NR	0.030	0.005	5	NT	Naled	NR	0.030	0.005	0.5	NT
Bifenthrin	NR	0.030	0.006	0.5	NT	Oxamyl	NR	0.030	0.009	0.3	NT
Boscalid	NR	0.030	0.007	10	NT	Pentachloronitrobenzene	NR	0.054	0.018	0.2	NT
Captan	NR	0.358	0.120	5	NT	Permethrin	NR	0.030	0.002	20	NT
Carbaryl	NR	0.030	0.004	0.5	NT	Phosmet	NR	0.030	0.005	0.2	NT
Chlorantraniliprole	NR	0.030	0.006	40	NT	Piperonyl Butoxide	NR	0.030	0.006	8	NT
Clofentezine	NR	0.030	0.005	0.5	NT	Prallethrin	NR	0.055	0.018	0.4	NT
Cyfluthrin	NR	0.056	0.019	1	NT	Propiconazole	NR	0.037	0.012	20	NT
Cypermethrin	NR	0.044	0.015	1	NT	Pyrethrins	NR	0.030	0.002	1	NT
Diazinon	NR	0.030	0.009	0.2	NT	Pyridaben	NR	0.030	0.005	3	NT
Dimethomorph	NR	0.030	0.009	20	NT	Spinetoram	NR	0.030	0.003	3	NT
Etoxazole	NR	0.030	0.003	1.5	NT	Spinosad	NR	0.030	0.003	3	NT
Fenhexamid	NR	0.030	0.008	10	NT	Spiromesifen	NR	0.030	0.005	12	NT
Fenpyroximate	NR	0.030	0.005	2	NT	Spirotetramat	NR	0.030	0.006	13	NT
Flonicamid	NR	0.046	0.015	2	NT	Tebuconazole	NR	0.030	0.009	2	NT
Fludioxonil	NR	0.048	0.016	30	NT	Thiamethoxam	NR	0.030	0.006	4.5	NT
Hexythiazox	NR	0.031	0.010	2	NT	Trifloxystrobin	NR	0.030	0.002	30	NT
Imidacloprid	NR	0.030	0.009	3	NT						

Other Analyte(s):

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