



Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

1 of 4

ICAL ID: 20240409-029
Sample: CA240409-028-133
Press'd 1G 7-hydroxymitragynine Tablets
Strain: Press'd 1G 7-hydroxymitragynine Tablets
Category: Ingestible
Type: Other

Alternative Ventures LLC
Lic. #
N/A
San Diego, CA 92121
Lic. #

Batch#: V010324
Batch Size Collected:
Total Batch Size:
Collected: 04/11/2024; Received: 04/11/2024
Completed: 04/11/2024

Moisture NT Water Activity 0.405 aw	Δ9-THC NT	CBD NT	Total Cannabinoids NT	Total Terpenes NT
Summary	SOP Used	Date Tested		
Batch				
Kratom Alkaloids	KRAT-PREP-001 low	04/09/2024		
Water Activity	WA-PREP-001	04/09/2024		
Residual Solvents	RS-PREP-001	04/09/2024		
Microbials	MICRO-PREP-001	04/11/2024		
Heavy Metals	HM-PREP-001	04/09/2024		
Foreign Matter	FM-PREP-001	04/09/2024		
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	04/09/2024		
			Scan to see results	

Cannabinoid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
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Total THC=THCa * 0.877 + d9-THC + d8-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
04/11/2024

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Moisture
NT

Total Kratom Alkaloids
20.0428 mg/unit

Total Terpenes
NT

Water Activity
0.405 aw

Summary

	SOP Used	Date Tested	
Batch			Pass
Kratom Alkaloids	KRAT-PREP-001 low	04/09/2024	Complete
Water Activity	WA-PREP-001	04/09/2024	Pass - 0.405 aw
Residual Solvents	RS-PREP-001	04/09/2024	Pass
Microbials	MICRO-PREP-001	04/11/2024	Pass
Heavy Metals	HM-PREP-001	04/09/2024	Pass
Foreign Matter	FM-PREP-001	04/09/2024	Pass
Pesticides	PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001	04/09/2024	Pass



Scan to see results

Kratom Alkaloid Profile

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit
7-Hydroxymitragynine	0.8029	0.0603	3.3181	33.1807	18.5496	Paynantheine	0.8025	0.0471	ND	ND	ND
Corynantheidine	0.8097	0.1022	ND	ND	ND	Speciociliatine	0.8029	0.0819	ND	ND	ND
Mitragynine	0.8029	0.0659	0.2671	2.6710	1.4932	Speciogynine	0.8029	0.0729	ND	ND	ND
Mitraphylline	0.8029	0.1034	ND	ND	ND	Total			3.5852	35.8517	20.0428

Total THC=THCa * 0.877 + d9-THC + d8-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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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				
1,2-Dichloro-Ethane	ND	0.264	0.088	1	Pass	Acetone	ND	51.246	0.716	5000	Pass	n-Hexane	ND	0.281	0.027	290	Pass
Benzene	ND	0.052	0.017	1	Pass	Acetonitrile	ND	0.42	0.14	410	Pass	Isopropanol	ND	2.86	0.614	5000	Pass
Chloroform	ND	0.076	0.025	1	Pass	Butane	ND	4.849	0.748	5000	Pass	Methanol	395.7	2.602	0.867	3000	Pass
Ethylene Oxide	ND	0.579	0.179	1	Pass	Ethanol	ND	7.575	2.525	5000	Pass	Pentane	ND	5.075	1.692	5000	Pass
Methylene-Chloride	ND	0.729	0.08	1	Pass	Ethyl-Acetate	547.3	2.288	0.175	5000	Pass	Propane	ND	9.709	3.236	5000	Pass
Trichloroethene	ND	0.145	0.028	1	Pass	Ethyl-Ether	ND	2.869	0.389	5000	Pass	Toluene	1.3	0.864	0.067	890	Pass
						Heptane	ND	2.859	0.496	5000	Pass	Xylenes	ND	2.572	0.326	2170	Pass

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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.013	0.009	0.003	1.5	Pass
Cadmium	0.002	0.002	0.001	0.5	Pass
Lead	0.071	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 then 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		Not Detected	Pass
Salmonella SPP		Not Detected	Pass

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					
Aldicarb	ND	0.065	0.022	Pass				
Carbofuran	ND	0.030	0.009	Pass				
Chlordane	ND	0.075	0.025	Pass				
Chlorfenapyr	ND	0.075	0.025	Pass				
Chlorpyrifos	ND	0.053	0.018	Pass				
Coumaphos	ND	0.056	0.018	Pass				
Daminozide	ND	0.079	0.026	Pass				
Dichlorvos	ND	0.067	0.022	Pass				
Dimethoate	ND	0.036	0.012	Pass				
Ethoprophos	ND	0.053	0.017	Pass				
Etofenprox	ND	0.030	0.008	Pass				
Fenoxycarb	ND	0.043	0.014	Pass				
Fipronil	ND	0.045	0.015	Pass				
Imazalil	ND	0.047	0.016	Pass				
Methiocarb	ND	0.047	0.016	Pass				
Mevinphos	ND	0.042	0.014	Pass				
Paclobutrazol	ND	0.040	0.013	Pass				
Parathion Methyl	ND	0.024	0.008	Pass				
Propoxur	ND	0.047	0.016	Pass				
Spiroxamine	ND	0.032	0.011	Pass				
Thiacloprid	ND	0.042	0.014	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	0.030	0.010	0.3	Pass			Kresoxim Methyl	ND	0.038	0.012	1	Pass		
Acephate	ND	0.050	0.016	5	Pass			Malathion	ND	0.035	0.012	5	Pass		
Acequinocyl	ND	0.059	0.019	4	Pass			Metalaxyl	ND	0.031	0.010	15	Pass		
Acetamiprid	ND	0.044	0.015	5	Pass			Methomyl	ND	0.048	0.016	0.1	Pass		
Azoxystrobin	ND	0.029	0.010	40	Pass			Myclobutanil	ND	0.055	0.018	9	Pass		
Bifenazate	ND	0.035	0.012	5	Pass			Naled	ND	0.051	0.017	0.5	Pass		
Bifenthrin	ND	0.040	0.013	0.5	Pass			Oxamyl	ND	0.046	0.015	0.3	Pass		
Boscalid	ND	0.060	0.020	10	Pass			Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass		
Captan	ND	0.358	0.120	5	Pass			Permethrin	ND	0.030	0.008	20	Pass		
Carbaryl	ND	0.049	0.016	0.5	Pass			Phosmet	ND	0.038	0.012	0.2	Pass		
Chlorantraniliprole	ND	0.063	0.021	40	Pass			Piperonyl Butoxide	ND	0.030	0.008	8	Pass		
Clofentezine	ND	0.039	0.013	0.5	Pass			Prallethrin	ND	0.068	0.023	0.4	Pass		
Cyfluthrin	ND	0.056	0.019	1	Pass			Propiconazole	ND	0.059	0.019	20	Pass		
Cypermethrin	ND	0.044	0.015	1	Pass			Pyrethrins	ND	0.030	0.004	1	Pass		
Diazinon	ND	0.030	0.006	0.2	Pass			Pyridaben	ND	0.035	0.012	3	Pass		
Dimethomorph	ND	0.042	0.014	20	Pass			Spinetoram	ND	0.030	0.006	3	Pass		
Etoxazole	ND	0.030	0.008	1.5	Pass			Spinosad	ND	0.030	0.004	3	Pass		
Fenhexamid	ND	0.039	0.013	10	Pass			Spiromesifen	ND	0.042	0.014	12	Pass		
Fenpyroximate	ND	0.030	0.010	2	Pass			Spirotetramat	ND	0.041	0.013	13	Pass		
Flonicamid	ND	0.081	0.027	2	Pass			Tebuconazole	ND	0.044	0.014	2	Pass		
Fludioxonil	ND	0.046	0.015	30	Pass			Thiamethoxam	ND	0.055	0.018	4.5	Pass		
Hexythiazox	ND	0.078	0.026	2	Pass			Trifloxystrobin	ND	0.031	0.010	30	Pass		
Imidacloprid	ND	0.071	0.023	3	Pass										

Other Analyte(s):

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