

#### Certificate of Analysis

ICAL ID: 20240610-023 Sample: CA240610-022-055 CKO13 Strain: CKO13 Category: Ingestible Type: Beverage

Climbing Kites, LLC Lic.# P.O. Box 655 Salida, CO 81201 Chill State Collective 2075 Ellis Ave St. Paul, MN 55114 Batch#: CKO13 Batch Size Collected: Total Batch Size: Collected: 06/12/2024; Received: 06/12/2024 Completed: 06/12/2024

Moisture

**CBD** 

**Total Cannabinoids** 

Sum of Cannabinoids

**Total Terpenes** 

NT Water Activity

2.68 mg/unit

Δ9-ΤΗС

5.37 mg/unit

8.05 mg/unit

8.05 mg/unit

NT

Summary Batch Cannabinoids Residual Solvents Microbials Mycotoxins Heavy Metals Pesticides

**SOP** Used POT-PREP-002

RS-PREP-001 MICRO-PREP-001 PESTMYCO-LC-PREP-001 HM-PREP-001 PESTMYCO-LC-PREP-001/ PEST-GC-PREP-001

**Date Tested** 

06/11/2024 06/12/2024 06/11/2024

**Pass** Complete Complete Pass **Pass Pass** Pass





Scan to see results

#### **Cannabinoid Profile**

1 Unit = can, 356.87 g. 1 mL = 0.99 g. LOQ (mg/g) % mg/g mg/mL mg/unit **Analyte** mg/g mg/ml CBGa CBG CBN THCa 0.0043 ND ND ND ND 0.0046 ND ND 0.0015 ND Δ9-THC Δ8-THC 0.0046 0.0010 0.0014 0.001 ND ND ND ND ND 0.01 0.01 2.68 0.0005 ND ND ND ND ND ND ND 0.0005 THCV 0.0046 0.0006 Total THC 0.00 0.01 0.01 2.68 5.37 CBDa 0.0049 0.0016 ND ND ND ND **Total CBD** 0.00 0.02 0.01 CBD CBDV 0.0008 0.0004 0.002 0.02 0.01 5.37 Total 0.00 0.02 0.02 8.05 ND ND ND Sum of Cannabinoids 0.00 0.02 8.05 **CBC** ND

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

LOQ (mg/g) LOD (mg/g) % LOQ (mg/g) LOD (mg/g) % Analyte mg/g Analyte mg/g

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 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-000047-LIC

Josh M Swider Josh Swider

Lab Director, Managing Partner 06/12/2024

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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	
1,2-Dichloro-Ethane	NR 0.264 0.088	1 N7	Acetone	NR	51.246	0.716	5000	NT	n-Hexane	NR	0.281	0.027	290	NT
Benzene	NR 0.052 0.017	1 N7	Acetonitrile	NR	0.42	0.14	410	NT	Isopropanol	NR	2.86	0.614	5000	NT
Chloroform	NR 0.076 0.025	1 N7	Butane	NR	4.849	0.748	5000	NT	Methanol	NR	2.602	0.867	3000	NT
Ethylene Oxide	NR 0.579 0.179	1 N7	Ethanol	NR	7.575	2.525	5000	NT	Pentane	NR	5.075	1.692	5000	NT
Methylene-Chloride	NR 0.729 0.08	1 N7	Ethyl-Acetate	NR	2.288	0.175	5000	NT	Propane	NR	9.709	3.236	5000	NT
Trichloroethene	NR 0.145 0.028	1 N7	Ethyl-Ether	NR	2.869	0.389	5000	NT	Toluene	NR	0.864	0.067	890	NT
			Heptane	NR	2.859	0.496	5000	NT	Xylenes	NR	2.572	0.326	2170	NT

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-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 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	NR	NT
Total Aerobic Plate Count	10000	NR	NT
Total Yeast and Mold	1000	NR	NT

ND=Not Detected. Analytical instrumentation used:qPCR and microbial plating; samples analyzed according to SOPs CO-MICRO-PREP-001 and CO-MICRO-PLATE-001.



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Limit

µg/kg

μg/kg 2.6

2.04

2.97

1.89

3.87

Status

Tested

Tested

Tested

Tested

Pass Pass



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#### **Chemical Residue Screening**

Category 1		LOQ	LOD	Status	Mycotoxins		LOQ
	μg/g	µg/g	µg/g			μg/kg	μg/kg
Aldicarb	ND	0.065	0.022	Pass	B1	ND	7.88
Carbofuran	ND	0.030	0.009	Pass	B2	ND	6.18
Chlorfenapyr	NR	0.075	0.025	NT	G1	ND	8.99
Chlorpyrifos	ND	0.053	0.018	Pass	G2	ND	5.72
Coumaphos	ND	0.056	0.018	Pass	Ochratoxin A	ND	11.72
Daminozide	ND	0.079	0.026	Pass	Total Aflatoxins	ND	
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			
lmazalil	ND	0.047	0.016	Pass			
Methiocarb	ND	0.047	0.016	Pass			
Mevinphos	ND	0.042	0.014	Pass			
MGK-264	NR			NT			
Paclobutrazol	ND	0.040	0.013	Pass			
Parathion Methyl	NR	0.024	0.008	NT			
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	NR	0.051	0.017	0.5	NT
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	NR	0.054	0.018	0.2	NT
Carbaryl	ND	0.049	0.016	0.5	Pass	Permethrin	ND	0.030	0.008	20	Pass
Chlorantraniliprole	ND	0.063	0.021	40	Pass	Phosmet	ND	0.038	0.012	0.2	Pass
Clofentezine	ND	0.039	0.013	0.5	Pass	Piperonyl Butoxide	ND	0.030	0.008	8	Pass
Cyfluthrin	NR	0.056	0.019	1	NT	Prallethrin	ND	0.068	0.023	0.4	Pass
Cypermethrin	NR	0.044	0.015	1	NT	Propiconazole	ND	0.059	0.019	20	Pass
Diazinon	ND	0.030	0.006	0.2	Pass	Pyrethrins	ND	0.030	0.004	1	Pass
Dimethomorph	ND	0.042	0.014	20	Pass	Pyridaben	ND	0.035	0.012	3	Pass
Etoxazole	ND	0.030	0.008	1.5	Pass	Spinetoram	ND	0.030	0.006	3	Pass
Fenhexamid	ND	0.039	0.013	10	Pass	Spinosad	ND	0.030	0.004	3	Pass
Fenpyroximate	ND	0.030	0.010	2	Pass	Spiromesifen	ND	0.042	0.014	12	Pass
Flonicamid	ND	0.081	0.027	2	Pass	Spirotetramat	ND	0.041	0.013	13	Pass
Fludioxonil	ND	0.046	0.015	30	Pass	Tebuconazole	ND	0.044	0.014	2	Pass
Hexythiazox	ND	0.078	0.026	2	Pass	Thiamethoxam	ND	0.055	0.018	4.5	Pass
Imidacloprid	ND	0.071	0.023	3	Pass	Trifloxystrobin	ND	0.031	0.010	30	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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#### **Chemical Residue Screening**

Analytes		LOQ	LOD	Limit	Status	Analytes		LOQ	LOD	Limit	Status
A1	μg/g ND	μg/g	µg/g	µg/g	ь.		μg/g ND	µg/g	μg/g	µg/g	Б
Abamectin		0.030	0.010	0.300	Pass	Hexythiazox		0.078	0.026	2.000	Pass
Acephate	ND	0.050	0.016	5.000	Pass	Imazalil	ND	0.047	0.016	0.016	Pass
Acequinocyl	ND	0.059	0.019	4.000	Pass	Imidacloprid	ND	0.071	0.023	3.000	Pass
Acetamiprid	ND	0.044	0.015	5.000	Pass	Kresoxim Methyl	ND	0.038	0.012	1.000	Pass
Aldicarb	ND	0.065	0.022	0.022	Pass	Malathion	ND	0.035	0.012	5.000	Pass
Azoxystrobin	ND	0.029	0.010	40.000	Pass	Metalaxyl	ND	0.031	0.010	15.000	Pass
Bifenazate	ND	0.035	0.012	5.000	Pass	Methiocarb	ND	0.047	0.016	0.016	Pass
Bifenthrin	ND	0.040	0.013	0.500	Pass	Methomyl	ND	0.048	0.016	0.100	Pass
Boscalid	ND	0.060	0.020	10.000	Pass	Mevinphos	ND	0.042	0.014	0.014	Pass
Carbaryl	ND	0.049	0.016	0.500	Pass	Myclobutanil	ND	0.055	0.018	9.000	Pass
Carbofuran	ND	0.030	0.009	0.009	Pass	Oxamyl	ND	0.046	0.015	0.300	Pass
Chlorantraniliprole	ND	0.063	0.021	40.000	Pass	Paclobutrazol	ND	0.040	0.013	0.013	Pass
Chlorpyrifos	ND	0.053	0.018	0.018	Pass	Permethrin	ND	0.030	0.008	20.000	Pass
Clofentezine	ND	0.039	0.013	0.500	Pass	Phosmet	ND	0.038	0.012	0.200	Pass
Coumaphos	ND	0.056	0.018	0.018	Pass	Piperonyl Butoxide	ND	0.030	0.008	8.000	Pass
Daminozide	ND	0.079	0.026	0.026	Pass	Prallethrin	ND	0.068	0.023	0.400	Pass
Diazinon	ND	0.030	0.006	0.200	Pass	Propiconazole	ND	0.059	0.019	20.000	Pass
Dichlorvos	ND	0.067	0.022	0.022	Pass	Propoxur	ND	0.047	0.016	0.016	Pass
Dimethoate	ND	0.036	0.012	0.012	Pass	Pyrethrins	ND	0.030	0.004	1.000	Pass
Dimethomorph	ND	0.042	0.014	20.000	Pass	Pyridaben	ND	0.035	0.012	3.000	Pass
Ethoprophos	ND	0.053	0.017	0.017	Pass	Spinetoram	ND	0.030	0.006	3.000	Pass
Etofenprox	ND	0.030	0.008	0.008	Pass	Spinosad	ND	0.030	0.004	3.000	Pass
Etoxazole	ND	0.030	0.008	1.500	Pass	Spiromesifen	ND	0.042	0.014	12.000	Pass
Fenhexamid	ND	0.039	0.013	10.000	Pass	Spirotetramat	ND	0.041	0.013	13.000	Pass
Fenoxycarb	ND	0.043	0.014	0.014	Pass	Spiroxamine	ND	0.032	0.011	0.011	Pass
Fenpyroximate	ND	0.030	0.010	2.000	Pass	Tebuconazole	ND	0.044	0.014	2.000	Pass
Fipronil	ND	0.045	0.015	0.015	Pass	Thiacloprid	ND	0.042	0.014	0.014	Pass
Flonicamid	ND	0.081	0.027	2.000	Pass	Thiamethoxam	ND	0.055	0.018	4.500	Pass
Fludioxonil	ND	0.046	0.015	30.000	Pass	Trifloxystrobin	ND	0.031	0.010	30.000	Pass

	LUQ	LOD	LIIIII	Status
μg/kg	μg/kg	μg/kg	μg/kg	
NĎ	7.88	2.6		Tested
ND	6.18	2.04		Tested
ND	8.99	2.97		Tested
	ND	μg/kg μg/kg ND 7.88 ND 6.18	µg/kg µg/kg µg/kg ND 7.88 2.6 ND 6.18 2.04	µg/kg µg/kg µg/kg µg/kg ND 7.88 2.6 ND 6.18 2.04

MIYCOTOXINS		LOQ	LOD	Limit	Status
G2 Ochratoxin A	µg/kg ND ND	μg/kg 5.72 11.72	μg/kg 1.89 3.87	µg/kg	Tested Pass
Total Aflatoxins	ND			20	Pass

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# Infinite Chemical Analysis Labs



## **Certificate of Analysis Appendix**

#### **Residual Solvents - Utah Industrial Hemp**

		•			
Analyte	Result (ug/g)	LOD (ug/g)	LOQ (ug/g)	Action Limit(ug/g)	Status
1,2 Dimethoxyethane	ND	5.9917	17.975	100	Pass
1,4 Dioxane	ND	12.8684	38.6052	380	Pass
1-Butanol	ND	3.1446	9.4337	5,000	Pass
1-Pentanol	ND	9.9794	29.9383	5,000	Pass
1-Propanol	ND	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
Dimethyl sulfoxide	ND	8.3992	25.1976	5,000	Pass
Ethanol	996.3642	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
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
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
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	ND	10.3738	31.1216	2,170	Pass



Josh Swider Lab Director, CEO