

# **Certificate of Analysis**

ICAL ID: 20220504-026 Sample: CA220504-022-045 Treetop Space Gods - Berry Lemon 15mg D9 + 15mg CBD Strain: Treetop Space Gods - Berry Lemon 15mg D9 + 15mg CBD Category: Ingestible Pacific Manufacturing and Design, LLC Lic. # 9520 Black Mountain Rd

9520 Black Mountain Rd SAN DIEGO, CA 92126

#### **QA SAMPLE - INFORMATIONAL ONLY**

1 of 3 Batch#: SGBL050422 Batch Size Collected: Total Batch Size: Collected: 05/06/2022; Received: 05/06/2022 Completed: 05/06/2022

1 Unit = packet, 5.56 g

 Moisture
 Δ9-THC
 CBD
 Total Cannabinoids
 Total Terpenes

 NT
 13.51 mg/unit
 11.04 mg/unit
 27.84 mg/unit
 NT

 0.377 aw
 Date Tested
 Date Tested
 NT

Lic.#

Summary	SOP Used	Date Tested			
Batch			Pass		
Cannabinoids	POT-PREP-002	05/05/2022	Complete		
Water Activity	WA-PREP-001	05/05/2022	Pass - 0.377 aw	LEGAL CANNABIS	
<b>Residual Solvents</b>	RS-PREP-001	05/05/2022	Pass	CLOWE CLINICASIS	
Microbials	MICRO-PREP-001	05/06/2022	Pass	Shine rook	
Mycotoxins	PESTMYCO-LC-PREP-001	05/05/2022	Pass	LEGAL PANHAMS	
Heavy Metals	HM-PREP-001	05/05/2022	Pass		
Foreign Matter	FM-PREP-001	05/05/2022	Pass	After 12000	
Pesticides	PESTMYCO-LC-PREP-001/	05/05/2022	Pass		
	PEST-GC-PREP-001				Scan to see

## **Cannabinoid Profile**

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Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit	Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/unit
THCa	0.0128	0.0043	ND	ND	ND	CBDV	0.0046	0.0004	0.001	0.01	0.03
∆9-THC	0.0046	0.0010	0.243	2.43	13.51	CBN	0.0046	0.0005	0.017	0.17	0.96
∆8-THC	0.0046	0.0014	0.005	0.05	0.30	CBGa	0.0046	0.0015	ND	ND	ND
THCV	0.0046	0.0006	0.001	0.01	0.06	CBG	0.0046	0.0005	0.035	0.35	1.94
CBDa	0.0049	0.0016	ND	ND	ND	CBC	0.0076	0.0025	ND	ND	ND
CBD	0.0046	0.0008	0.199	1.99	11.04	Total THC			0.24	2.43	13.51
						Total CBD			0.20	1.99	11.04
						Total			0.50	5.01	27.84

Total THC=THCa \* 0.877 + d9-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 Prof	le						
Analyte	LOQ (mg/g)	LOD (mg/g) %	mg/g	Analyte	LOQ (mg/g)	LOD (mg/g) %	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 TERP-INST-003.



Infinite Chemical Analysis Labs 8312 Miramar Mall San Diego, CA (858) 623-2740 www.infiniteCAL.com Lic# C8-0000047-LIC

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Josh Swider Lab Director, Managing Partner 05/06/2022

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
1,2-Dichloro-Ethane		µg/g 0.264	0.088	µg/g 1	Pass	Acetone	µg/g ND	μg/g μg/g μg/g 51.246 0.716 5000	Pass	n-Hexane	<b>µg/g</b> µg/g µg/g µg/g 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	ND 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	ND	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	ND 0.864 0.067 890	Pass
						Heptane	ND	2.859 0.496 5000	Pass	Xylenes	ND 2.572 0.326 2170	Pass

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 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	0.005	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	Pass

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### **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
	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

Mycotoxins		LOQ	LOD	Limit	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	NĎ	7.88	2.6		Tested
B2	ND	6.18	2.04		Tested
G1	ND	8.99	2.97		Tested
G2	ND	5.72	1.89		Tested
Ochratoxin A	ND	11.72	3.87	20	Pass
Total Aflatoxins	ND			20	Pass

Category 2		LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	<b>Status</b>
	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):

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 PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



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