#### 1 of 3



### Certificate of Analysis

ICAL ID: 20220119-039 Sample: CA220119-026-062 LLAMAS Strain: LLAMAS Category: Concentrates & Extracts Imperial CBD Extraction Lic. # 551 West Main Street Brawley, CA 92227

Lic.#

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 01/21/2022; Received: 01/21/2022
Completed: 01/21/2022

Moisture	Total THC	Total CBD	Total Cannabinoids	Total Terpenes
<b>NT</b> Water Activity	ND	99.48%	99.73%	NT
NT				

Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	POT-PREP-001 High	01/19/2022	Complete
<b>Residual Solvents</b>	RS-PREP-001	01/20/2022	Pass
Microbials	MICRO-PREP-001	01/21/2022	Pass
Mycotoxins	PESTMYCO-LC-PREP-001	01/19/2022	Pass
Heavy Metals	HM-PREP-001	01/19/2022	Pass
Foreign Matter	FM-PREP-001	01/19/2022	Pass
Pesticides	PESTMYCO-LC-PREP-001/	01/19/2022	Pass
	PEST-GC-PREP-001		





Scan to see results

### **Cannabinoid Profile**

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
THCa	0.5060	0.1271	ND	ND
Δ9-THC	0.5060	0.1408	ND	ND
Δ8-THC	0.5060	0.0695	ND	ND
THCV	0.5060	0.0582	ND	ND
CBDa	0.5060	0.1307	ND	ND
CBD	0.5060	0.1121	99.48	994.8

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g
CBDV	0.5060	0.0579	0.24	2.4
CBN	0.5060	0.1073	ND	ND
CBGa	0.5452	0.1817	ND	ND
CBG	0.5390	0.1797	ND	ND
CBC	0.6255	0.2085	ND	ND
Total THC			ND	ND
Total CBD			99.48	994.85
Total			99.73	997.27

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 Profile

Analyte	LOQ (mg/g)	LOD (mg/g) %	mg/g Analyte	LOQ (mg/g)	LOD (mg/g) % mg/g
Allalyte	LOQ (IIIg/g)	LOD (IIIg/g) /o	ilig/g Alialyte	LOQ (IIIg/g)	LOD (IIIg/g) /0 IIIg/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.



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Josh Swider

Josh Swider Lab Director, Managing Partner 01/21/2022 Confident Cannabis
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support@confidentcannabis.com
(866) 506-5866
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2 of 3



# Certificate of Analysis

ICAL ID: 20220119-039 Sample: CA220119-026-062 LLAMAS Strain: LLAMAS Category: Concentrates & Extracts Imperial CBD Extraction Lic. # 551 West Main Street Brawley, CA 92227

Lic.#

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 01/21/2022; Received: 01/21/2022
Completed: 01/21/2022

### **Residual Solvent Analysis**

Category 1		LOQ	LOD	Limit	Status	Category 2		LOQ	LOD	Limit	Status	Category 2		LOQ L	OD Limit	Status
	μg/g	µg/g	µg/g	μg/g			μg/g	µg/g	µg/g	μg/g			μg/g	µg/g µ	ig/g µg/g	
1,2-Dichloro-Ethane	ND	1	0.5	1	Pass	Acetone	ND	300	200	5000	Pass	n-Hexane	ND	35	20 290	Pass
Benzene	ND	1	0.5	1	Pass	Acetonitrile	ND	150	100	410	Pass	Isopropanol	ND	300 2	200 5000	Pass
Chloroform	ND	1	0.5	1	Pass	Butane	ND	300	200	5000	Pass	Methanol	ND	300 2	200 3000	Pass
Ethylene Oxide	ND	1	0.5	1	Pass	Ethanol	ND	300	200	5000	Pass	Pentane	303.9	300 2	200 5000	Pass
Methylene-Chloride	ND	1	0.5	1	Pass	Ethyl-Acetate	ND	300	200	5000	Pass	Propane	ND	300 2	200 5000	Pass
Trichloroethene	ND	1	0.5	1	Pass	Ethyl-Ether	ND	300	200	5000	Pass	Toluene	ND	150	100 890	Pass
						Heptane	ND	300	200	5000	Pass	Xylenes	ND	150	100 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	0.2	Pass
Cadmium	ND	0.002	0.001	0.2	Pass
Lead	ND	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	0.1	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		Not Detected	Pass
Aspergillus fumigatus		Not Detected	Pass
Aspergillus niger		Not Detected	Pass
Aspergillus terreus		Not Detected	Pass
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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3 of 3

Status

Tested

Tested

Tested

Tested

**Pass** 

Pass

Limit

µg/kg



Thiacloprid

## Certificate of Analysis

ICAL ID: 20220119-039 Sample: CA220119-026-062 LLAMAS Strain: LLAMAS Category: Concentrates & Extracts Imperial CBD Extraction Lic. # 551 West Main Street Brawley, CA 92227

Lic.#

Batch#:
Batch Size Collected:
Total Batch Size:
Collected: 01/21/2022; Received: 01/21/2022
Completed: 01/21/2022

μg/kg 8.98

10.17

5.25

6.26

13.37

µg/kg

NĎ

ND

ND

ND

ND

ND

μg/kg 2.96

3.36

1.73

2.07

4.41

#### **Chemical Residue Screening**

Category 1		LOQ	LOD	Status	Mycotoxins
	μg/g	μg/g	μg/g		·
Aldicarb	ND	0.030	0.008	Pass	B1
Carbofuran	ND	0.030	0.005	Pass	B2
Chlordane	ND	0.075	0.025	Pass	G1
Chlorfenapyr	ND	0.075	0.025	Pass	G2
Chlorpyrifos	ND	0.046	0.015	Pass	Ochratoxin A
Coumaphos	ND	0.030	0.004	Pass	<b>Total Aflatoxins</b>
Daminozide	ND	0.053	0.018	Pass	•
Dichlorvos	ND	0.055	0.018	Pass	
Dimethoate	ND	0.030	0.006	Pass	
Ethoprophos	ND	0.030	0.006	Pass	
Etofenprox	ND	0.030	0.004	Pass	
Fenoxycarb	ND	0.030	0.004	Pass	
Fipronil	ND	0.050	0.017	Pass	
lmazalil	ND	0.030	0.009	Pass	
Methiocarb	ND	0.030	0.002	Pass	
Mevinphos	ND	0.030	0.008	Pass	
Paclobutrazol	ND	0.030	0.009	Pass	
Parathion Methyl	ND	0.024	0.008	Pass	
Propoxur	ND	0.030	0.008	Pass	
Spiroxamine	ND	0.030	0.006	Pass	

0.030

0.005

ND

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	0.099	0.033	0.1	Pass	Kresoxim Methyl	ND	0.030	0.007	0.1	Pass
Acephate	ND	0.030	0.007	0.1	Pass	Malathion	ND	0.030	0.003	0.5	Pass
Acequinocyl	ND	0.046	0.015	0.1	Pass	Metalaxyl	ND	0.030	0.005	2	Pass
Acetamiprid	ND	0.030	0.005	0.1	Pass	Methomyl	ND	0.030	0.009	1	Pass
Azoxystrobin	ND	0.030	0.005	0.1	Pass	Myclobutanil	ND	0.030	0.007	0.1	Pass
Bifenazate	ND	0.030	0.007	0.1	Pass	Naled	ND	0.030	0.008	0.1	Pass
Bifenthrin	ND	0.030	0.004	3	Pass	Oxamyl	ND	0.030	0.007	0.5	Pass
Boscalid	ND	0.030	0.008	0.1	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.1	Pass
Captan	ND	0.358	0.120	0.7	Pass	Permethrin	ND	0.030	0.002	0.5	Pass
Carbaryl	ND	0.030	0.006	0.5	Pass	Phosmet	ND	0.030	0.005	0.1	Pass
Chlorantraniliprole	ND	0.030	0.009	10	Pass	Piperonyl Butoxide	ND	0.030	0.003	3	Pass
Clofentezine	ND	0.030	0.002	0.1	Pass	Prallethrin	ND	0.071	0.023	0.1	Pass
Cyfluthrin	ND	0.056	0.019	2	Pass	Propiconazole	ND	0.030	0.009	0.1	Pass
Cypermethrin	ND	0.181	0.060	1	Pass	Pyrethrins	ND	0.030	0.003	0.5	Pass
Diazinon	ND	0.030	0.005	0.1	Pass	Pyridaben	ND	0.030	0.002	0.1	Pass
Dimethomorph	ND	0.030	0.005	2	Pass	Spinetoram	ND	0.030	0.001	0.1	Pass
Etoxazole	ND	0.030	0.004	0.1	Pass	Spinosad	ND	0.030	0.001	0.1	Pass
Fenhexamid	ND	0.034	0.011	0.1	Pass	Spiromesifen	ND	0.030	0.009	0.1	Pass
Fenpyroximate	ND	0.030	0.004	0.1	Pass	Spirotetramat	ND	0.030	0.008	0.1	Pass
Flonicamid	ND	0.035	0.012	0.1	Pass	Tebuconazole	ND	0.030	0.006	0.1	Pass
Fludioxonil	ND	0.036	0.012	0.1	Pass	Thiamethoxam	ND	0.030	0.008	5	Pass
Hexythiazox	ND	0.030	0.001	0.1	Pass	Trifloxystrobin	ND	0.030	0.003	0.1	Pass
Imidacloprid	ND	0.033	0.011	5	Pass	·		-			

**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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