1 of 3



## Certificate of Analysis

ICAL ID: 20221025-029 Sample: CA221025-024-052 CA221025-024-052 Ax:1 Strain: CA221025-024-052 Ax:1 Category: Ingestible IVMA, Inc. Lic. # 355 Centennial Way Suite 100 Tustin, CA 92780

**CBD** 

Lic.#

Batch#: Ax:1\_E3929\_2211\_IVMA. Batch Size Collected: Total Batch Size:

Collected: 11/01/2022; Received: 11/01/2022

Completed: 11/01/2022

Moisture
NT
Water Activity
NT

Δ9-THC **80.18 mg/unit** 

1,702.67 mg/unit 2,250.31 mg/unit

Total Terpenes 32.135 mg/g

Summary **SOP** Used **Date Tested** Batch **Pass** POT-PREP-004 10/26/2022 Cannabinoids Complete **Terpenes** TERP-PREP-001 10/26/2022 Complete **Residual Solvents** RS-PREP-001 10/26/2022 **Pass** MICRO-PREP-001 10/27/2022 Microbials **Pass** Mycotoxins PESTMYCO-LC-PREP-001 10/26/2022 **Pass** Heavy Metals HM-PREP-001 10/26/2022 **Pass** FM-PREP-001 Foreign Matter 10/25/2022 Pass Pesticides PESTMYCO-LC-PREP-001/ 10/26/2022 Pass PEST-GC-PREP-001



Total Cannabinoids



Scan to see results

### **Cannabinoid Profile**

1 Unit = 30 mL bottle, 29.4 g. 1 mL = 0.98 g.

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
THCa	0.0368	0.0123	ND	ND	ND	ND
Δ9-THC	0.0368	0.0053	0.273	2.73	2.67	80.18
Δ8-THC	0.0368	0.0055	ND	ND	ND	ND
THCV	0.0368	0.0048	ND	ND	ND	ND
CBDa	0.0368	0.0059	0.143	1.43	1.40	42.04
CBD	0.0368	0.0050	5.791	57.91	56.76	1702.67

Analyte	LOQ (mg/g)	LOD (mg/g)	%	mg/g	mg/mL	mg/unit
CBDV	0.0368	0.0049	0.049	0.49	0.48	14.32
CBN	0.0368	0.0074	0.020	0.20	0.20	5.85
CBGa	0.0534	0.0178	ND	ND	ND	ND
CBG	0.0368	0.0061	1.337	13.37	13.10	393.05
CBC	0.0444	0.0148	0.059	0.59	0.58	17.37
Total THC			0.27	2.73	2.67	80.18
Total CBD			5.92	59.17	57.98	1739.54
Total			7.65	76.54	75.01	2250.31

Total THC=THCa  $^{\circ}$  0.877 + d9-THC; Total CBD = CBDa  $^{\circ}$  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  $^{\circ}$ 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	
β-Myrcene	0.153	0.015	1.6303	16.303	Cedrol	0.207	0.069	ND	ND	
Linalool	0.154	0.036	1.2886	12.886	cis-Nerolidol	0.251	0.084	ND	ND	
δ-Limonene	0.449	0.150	0.2086	2.086	Citronellol	0.598	0.120	ND	ND	
α-Bisabolol	0.193	0.064	0.0430	0.430	Eucalyptol	0.244	0.081	ND	ND	
δ-3-Carene	0.306	0.024	0.0430	0.430	Fenchol	0.152	0.024	ND	ND	
α-Cedrene	0.151	0.032	ND	ND	Fenchone	0.151	0.025	ND	ND	
α-Humulene	0.151	0.026	<loq< th=""><th><loq< th=""><th>y-Terpinene</th><th>0.152</th><th>0.033</th><th>ND</th><th>ND</th><th></th></loq<></th></loq<>	<loq< th=""><th>y-Terpinene</th><th>0.152</th><th>0.033</th><th>ND</th><th>ND</th><th></th></loq<>	y-Terpinene	0.152	0.033	ND	ND	
α-Pinene	0.151	0.022	ND	ND	Geraniol	0.609	0.114	ND	ND	
α-Terpinene	0.163	0.054	ND	ND	Geranyl Acetate	0.151	0.030	ND	ND	
α-Terpineol	0.154	0.033	ND	ND	Isoborneol	0.151	0.033	ND	ND	
β-Caryophyllene	0.608	0.179	<loq< th=""><th><loq< th=""><th>Menthol</th><th>0.215</th><th>0.072</th><th>ND</th><th>ND</th><th></th></loq<></th></loq<>	<loq< th=""><th>Menthol</th><th>0.215</th><th>0.072</th><th>ND</th><th>ND</th><th></th></loq<>	Menthol	0.215	0.072	ND	ND	
β-Eudesmol	0.227	0.076	ND	ND	(-)-Guaiol	0.154	0.029	<loq< th=""><th><loq< th=""><th></th></loq<></th></loq<>	<loq< th=""><th></th></loq<>	
β-Pinene	0.306	0.027	ND	ND	Pulegone	0.169	0.056	ND	ND	
Borneol	0.154	0.024	ND	ND	p-Cymene	0.175	0.058	ND	ND	
Camphene	0.151	0.017	ND	ND	Terpinolene	0.154	0.013	ND	ND	
Camphor	0.306	0.055	ND	ND	trans-Nerolidol	0.222	0.074	ND	ND	
Caryophyllene Oxide	0.602	0.113	<loq< th=""><th><loq< th=""><th>Total</th><th></th><th></th><th>3.2135</th><th>32.135</th><th></th></loq<></th></loq<>	<loq< th=""><th>Total</th><th></th><th></th><th>3.2135</th><th>32.135</th><th></th></loq<>	Total			3.2135	32.135	

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 SOR TERPLINIST OR



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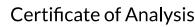
Josh Swider
Lab Director, Managing Partner

11/01/2022

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

2 of 3

ICAL ID: 20221025-029 Sample: CA221025-024-052 CA221025-024-052 Ax:1 Strain: CA221025-024-052 Ax:1 Category: Ingestible IVMA, Inc. Lic. # 355 Centennial Way Suite 100 Tustin, CA 92780

Lic.#

Batch#: Ax:1\_E3929\_2211\_IVMA. Batch Size Collected: Total Batch Size:

Collected: 11/01/2022; Received: 11/01/2022

Completed: 11/01/2022

### **Residual Solvent Analysis**

LOQ	LOD	Limit	Status
µg/g µg/g	µg/g	µg/g	
ND 0.31	0.1032	1	Pass
ND 0.088	0.023	1	Pass
ND 0.174	0.058	1	Pass
ND 0.757	0.252	1	Pass
ND 0.729	0.148	1	Pass
ND 0.19	0.063	1	Pass
	µg/g µg/g ND 0.31 ND 0.088 ND 0.174 ND 0.757 ND 0.729	µg/g µg/g µg/g ND 0.31 0.1032 ND 0.088 0.023 ND 0.174 0.058 ND 0.757 0.252 ND 0.729 0.148	Hg/g   Hg/g   Hg/g   Hg/g   ND   0.31   0.1032   1   ND   0.088   0.023   1   ND   0.174   0.058   1   ND   0.757   0.252   1   ND   0.729   0.148   1

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	
Acetone	ND	51.246	2.572 5000	Pass	n-Hexane	ND	0.931	0.31	290	Pass
Acetonitrile	ND	0.798	0.266 410	Pass	Isopropanol	ND	5.037	1.679	5000	Pass
Butane	ND	4.849	1.114 5000	Pass	Methanol	ND	4.665	1.555	3000	Pass
Ethanol	ND	40.542	13.513 5000	Pass	Pentane	ND	17.255	5.752	5000	Pass
Ethyl-Acetate	<loq< th=""><th>2.288</th><th>0.436 5000</th><th>Pass</th><th>Propane</th><th>ND</th><th>26.11</th><th>8.703</th><th>5000</th><th>Pass</th></loq<>	2.288	0.436 5000	Pass	Propane	ND	26.11	8.703	5000	Pass
Ethyl-Ether	ND	2.869	0.593 5000	Pass	Toluene	ND	0.864	0.136	890	Pass
Heptane	ND	6.548	2.183 5000	Pass	Xylenes	ND	0.857	0.241	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	0.024	0.004	0.001	0.5	Pass
Mercury	ND	0.014	0.005	3	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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#### **QA SAMPLE - INFORMATIONAL ONLY**

3 of 3

ICAL ID: 20221025-029 Sample: CA221025-024-052 CA221025-024-052 Ax:1 Strain: CA221025-024-052 Ax:1 Category: Ingestible IVMA, Inc. Lic. # 355 Centennial Way Suite 100 Tustin, CA 92780

Lic. #

Batch#: Ax:1\_E3929\_2211\_IVMA. Batch Size Collected: Total Batch Size:

Collected: 11/01/2022; Received: 11/01/2022

Completed: 11/01/2022

#### **Chemical Residue Screening**

Category 1		LOQ	LOD	Status	Mycoto
	μg/g	µg/g	μg/g		
Aldicarb	ND	0.030	0.009	Pass	B1
Carbofuran	ND	0.030	0.002	Pass	B2
Chlordane	ND	0.075	0.025	Pass	G1
Chlorfenapyr	ND	0.075	0.025	Pass	G2
Chlorpyrifos	ND	0.030	0.008	Pass	Ochrat
Coumaphos	ND	0.030	0.005	Pass	Total A
Daminozide	ND	0.033	0.011	Pass	
Dichlorvos	ND	0.030	0.007	Pass	
Dimethoate	ND	0.030	0.007	Pass	
Ethoprophos	ND	0.030	0.004	Pass	
Etofenprox	ND	0.030	0.006	Pass	
Fenoxycarb	ND	0.030	0.006	Pass	
Fipronil	ND	0.030	0.008	Pass	
Imazalil	ND	0.030	0.009	Pass	
Methiocarb	ND	0.030	0.005	Pass	
Mevinphos	ND	0.032	0.011	Pass	
Paclobutrazol	ND	0.030	0.006	Pass	
Parathion Methyl	ND	0.024	0.008	Pass	
Propoxur	ND	0.030	0.005	Pass	
Spiroxamine Spiroxamine	ND	0.030	0.003	Pass	

ND

0.030

0.002

Mycotoxins		LOQ	LOD	Limit	Status
	μg/kg	µg/kg	μg/kg	µg/kg	
B1	ND	6.2	2.05		Tested
B2	ND	5	1.63		Tested
G1	ND	5.38	1.77		Tested
G2	ND	5	1.02		Tested
Ochratoxin A	ND	16.41	5.42	20	Pass
Total Aflatoxins	ND			20	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	0.039	0.013	0.3	Pass	Kresoxim Methyl	ND	0.030	0.007	1	Pass
Acephate	ND	0.063	0.021	5	Pass	Malathion	ND	0.030	0.005	5	Pass
Acequinocyl	ND	0.035	0.011	4	Pass	Metalaxyl	ND	0.030	0.003	15	Pass
Acetamiprid	ND	0.030	0.006	5	Pass	Methomyl	ND	0.030	0.006	0.1	Pass
Azoxystrobin	ND	0.030	0.003	40	Pass	Myclobutanil	ND	0.030	0.007	9	Pass
Bifenazate	ND	0.030	0.005	5	Pass	Naled	ND	0.030	0.005	0.5	Pass
Bifenthrin	ND	0.030	0.006	0.5	Pass	Oxamy <b>l</b>	ND	0.030	0.009	0.3	Pass
Boscalid	ND	0.030	0.007	10	Pass	Pentachloronitrobenzene	ND	0.054	0.018	0.2	Pass
Captan	ND	0.358	0.120	5	Pass	Permethrin	ND	0.030	0.002	20	Pass
Carbaryl	ND	0.030	0.004	0.5	Pass	Phosmet	ND	0.030	0.005	0.2	Pass
Chlorantraniliprole	ND	0.030	0.006	40	Pass	Piperonyl Butoxide	ND	0.030	0.006	8	Pass
Clofentezine	ND	0.030	0.005	0.5	Pass	Prallethrin	ND	0.055	0.018	0.4	Pass
Cyfluthrin	ND	0.056	0.019	1	Pass	Propiconazole	ND	0.037	0.012	20	Pass
Cypermethrin	ND	0.044	0.015	1	Pass	Pyrethrins	ND	0.030	0.002	1	Pass
Diazinon	ND	0.030	0.009	0.2	Pass	Pyridaben	ND	0.030	0.005	3	Pass
Dimethomorph	ND	0.030	0.009	20	Pass	Spinetoram	ND	0.030	0.003	3	Pass
Etoxazole	ND	0.030	0.003	1.5	Pass	Spinosad	ND	0.030	0.003	3	Pass
Fenhexamid	ND	0.030	0.008	10	Pass	Spiromesifen	ND	0.030	0.005	12	Pass
Fenpyroximate	ND	0.030	0.005	2	Pass	Spirotetramat	ND	0.030	0.006	13	Pass
Flonicamid	ND	0.046	0.015	2	Pass	Tebuconazo <b>l</b> e	ND	0.030	0.009	2	Pass
Fludioxonil	ND	0.048	0.016	30	Pass	Thiamethoxam	ND	0.030	0.006	4.5	Pass
Hexythiazox	ND	0.031	0.010	2	Pass	Trifloxystrobin	ND	0.030	0.002	30	Pass
<u>Imidacloprid</u>	ND	0.030	0.009	3	Pass				<u> </u>	<u> </u>	

P<u>ass</u>

#### Other Analyte(s):

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Thiacloprid

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