

**CERTIFICATE OF ANALYSIS**

PRODUCED: MAY 04, 2023

SAMPLE: TICKLE BURGER (FLOWER) // CLIENT: ALPHA GROW // BATCH: PASS



**BATCH NO.:** 1A40503000252ED000001369  
**METRC TAG:** 1A40503000252ED000001371  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** CL-280423-003  
**COLLECTED ON:** APR 28, 2023  
**RECEIVED ON:** APR 28, 2023  
**BATCH/SAMPLE SIZE:** 15723 G / 85.6 G  
**RECEIVED BY:** JACK WITTEW

**CANNABINOID OVERVIEW**

<b>TOTAL THC:</b>	<b>32.31 %</b>
<b>TOTAL CBD:</b>	<b>0 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>37.85 %</b>

**CULTIVATOR INFO**

**CULTIVATOR**

42469 IRWIN, LLC  
 42469 IRWIN DRIVE  
 HARRISON TOWNSHIP, MI 48045

**LICENSE**

AU-G-C-000603  
 ADULT-USE - CLASS C MARIHUANA  
 GROWER

**BATCH RESULT: PASS**

<b>POTENCY</b>	TESTED	<b>PESTICIDES</b>	PASS
<b>FOREIGN</b>	PASS	<b>TERPENES</b>	TESTED
<b>METALS</b>	PASS	<b>WATER</b>	PASS
<b>MICROBIAL</b>	PASS		

**CL-01: CANNABINOID POTENCY BY HPLC-PDA // MAY 02, 2023**

ANALYTE	LIMIT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC		ND	0.018/0.059	N/A	CBN		ND	0.016/0.054	N/A
CBD		ND	0.038/0.13	N/A	Δ <sup>8</sup> -THC		ND	0.044/0.15	N/A
CBDA		ND	0.02/0.068	N/A	Δ <sup>9</sup> -THC		ND	0.043/0.14	N/A
CBDV		ND	0.035/0.12	N/A	THCA	36.846 %		0.023/0.077	N/A
CBDA		ND	0.019/0.064	N/A	THCV		ND	0.041/0.14	N/A
CBG		ND	0.039/0.13	N/A	<b>TOTAL THC **</b>	32.314 %			N/A
CBGA	1 %		0.021/0.07	N/A	<b>TOTAL CBD **</b>		ND		N/A

\*\* TOTAL THC = DELTA-8-THC + DELTA-9-THC + (THCA X 0.877)

\*\* TOTAL CBD = CBD + (CBDA X 0.877)

**CL-02: TERPENE ANALYSIS BY GC-MS WITH HEADSPACE // MAY 02, 2023**

ANALYTE	AMT	LOD/LOQ (ppm)	PASS/FAIL	ANALYTE	AMT	LOD/LOQ (ppm)	PASS/FAIL
<b>TOTAL TERPENES</b>	2.223 %		N/A	α-BISABOLOL	0.024 %	0.884/2.948	N/A
LIMONENE	0.524 %	0.035/0.118	N/A	CIS-NEROLIDOL	0.016 %	0.323/1.076	N/A
TRANS-CARYOPHYLLENE	0.519 %	0.267/0.889	N/A	TERPINOLENE	0.008 %	0.053/0.177	N/A
CIS-β-OCIMENE	0.298 %	0.022/0.074	N/A	ISOPULEGOL	0.006 %	0.213/0.708	N/A
TRANS-NEROLIDOL	0.163 %	0.313/1.045	N/A	CARYOPHYLLENE OXIDE	0.003 %	0.267/0.889	N/A
β-PINENE	0.159 %	0.019/0.062	N/A	GUAIOL	0.003 %	0.238/0.795	N/A
α-HUMULENE	0.147 %	0.044/0.146	N/A	γ-TERPINENE	0.002 %	0.021/0.071	N/A
β-MYRCENE	0.145 %	0.042/0.139	N/A	α-TERPINENE	0.001 %	0.03/0.102	N/A
α-PINENE	0.092 %	0.017/0.057	N/A	Δ <sup>3</sup> -CARENE	0.001 %	0.027/0.089	N/A
LINALOOL	0.085 %	0.076/0.252	N/A	GERANIOL	0.001 %	0.076/0.252	N/A
CAMPHERE	0.026 %	0.03/0.101	N/A	EUCALYPTOL	ND	0.071/0.236	N/A



PER ISO 17025, THIS REPORT ONLY CONTAINS AND CONCERNS THE SAMPLES LISTED WITHIN THIS DOCUMENT. SAMPLES WERE SAMPLED AND TESTED IN ACCORDANCE WITH THE SAFETY COMPLIANCE FACILITY SAMPLING AND TESTING INFORMATION PROVIDED BY THE STATE OF MICHIGAN.

**RESULTS CERTIFIED BY:** MANIK GUDIMANI  
 LAB DIRECTOR, SC LABS  
 MAY 04, 2023

*Manik Gudimani*

## CL-04: PESTICIDE ANALYSIS BY LC-MS/MS // MAY 04, 2023

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL	ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
ABAMECTIN	0.5 ppm	ND	0.0008/0.0025	PASS	KRESOXIM-METHYL	0.4 ppm	ND	0.0003/0.0008	PASS
ACEPHATE	0.4 ppm	ND	0.0044/0.0132	PASS	MALATHION	0.2 ppm	ND	0.0002/0.0007	PASS
ACEQUINOCYL	2 ppm	ND	0.0078/0.0237	PASS	METALAXYL	0.2 ppm	ND	0.0001/0.0003	PASS
ACETAMIPRID	0.2 ppm	ND	0.0004/0.0013	PASS	METHIOCARB	0.2 ppm	ND	0.0001/0.0004	PASS
ALDICARB	0.4 ppm	ND	0.0003/0.0009	PASS	METHOMYL	0.4 ppm	ND	0.0007/0.002	PASS
AZOXYSTROBIN	0.2 ppm	ND	0.0003/0.0009	PASS	METHYL PARATHION	0.2 ppm	ND	0.0021/0.0063	PASS
BIFENAZATE	0.2 ppm	ND	0.0002/0.0007	PASS	MGK-264	0.2 ppm	ND	0.0237/0.0717	PASS
BIFENTHRIN	0.2 ppm	ND	0.0004/0.0013	PASS	MYCLOBUTANIL	0.2 ppm	ND	0.0003/0.001	PASS
BOSCALID	0.4 ppm	ND	0.003/0.0091	PASS	NALED	0.5 ppm	ND	0.0008/0.0025	PASS
CARBARYL	0.2 ppm	ND	0.0004/0.0013	PASS	OXAMYL	1 ppm	ND	0.0034/0.0102	PASS
CARBOFURAN	0.2 ppm	ND	0.00001/0.00002	PASS	PACLOBUTRAZOL	0.4 ppm	ND	0.0004/0.0011	PASS
CHLORANTRANIL-IPROLE	0.2 ppm	ND	0.0002/0.0007	PASS	PERMETHRIN	0.2 ppm	ND	0.0233/0.0707	PASS
CHLORFENAPYR	1 ppm	ND	0.0449/0.1362	PASS	PHOSMET	0.2 ppm	ND	0.0002/0.0007	PASS
CHLORPYRIFOS	0.2 ppm	ND	0.0002/0.0005	PASS	PRALLETHRIN	0.2 ppm	ND	0.0009/0.0027	PASS
CLOFENTEZINE	0.2 ppm	ND	0.0003/0.001	PASS	PROPICONAZOLE	0.4 ppm	ND	0.0005/0.0014	PASS
CYFLUTHRIN	1 ppm	ND	0.0063/0.0191	PASS	PROPOXUR	0.2 ppm	ND	0.0001/0.0003	PASS
CYPERMETHRIN	1 ppm	ND	0.0048/0.0146	PASS	PYRETHRINS	1 ppm	ND		PASS
DAMINOZIDE	1 ppm	ND	0.0003/0.001	PASS	PYRETHRINS CINERIN I		ND	0.0005/0.0035	N/A
DIAZINON	0.2 ppm	ND	0.0001/0.0004	PASS	PYRETHRINS JASMOLIN I		ND	0.0009/0.0027	N/A
DICHLORVOS	1 ppm	ND	0.0001/0.0002	PASS	PYRETHRINS PYRETHRIN I		ND	0.0003/0.001	N/A
DIMETHOATE	0.2 ppm	ND	0.0002/0.0006	PASS	PYRIDABEN	0.2 ppm	ND	0.0002/0.0005	PASS
ETHOPROPHOS	0.2 ppm	ND	0.0002/0.0005	PASS	SPINOSAD	0.2 ppm	ND		PASS
ETOFENPROX	0.4 ppm	ND	0.0003/0.0009	PASS	SPINOSAD A		ND	0.0003/0.0008	N/A
ETOXAZOLE	0.2 ppm	ND	0.0002/0.0005	PASS	SPINOSAD D		ND	0.0002/0.0006	N/A
FENOXYCARB	0.2 ppm	ND	0.0003/0.0009	PASS	SPIROMESIFEN	0.2 ppm	ND	0.0003/0.0011	PASS
FENPYROXIMATE	0.4 ppm	ND	0.0002/0.0007	PASS	SPIROTETRAMAT	0.2 ppm	ND	0.001/0.003	PASS
FIPRONIL	0.4 ppm	ND	0.001/0.0031	PASS	SPIROXAMINE	0.4 ppm	ND	0.0001/0.0005	PASS
FLONICAMID	1 ppm	ND	0.0003/0.0009	PASS	TEBUCONAZOLE	0.4 ppm	ND	0.0001/0.0004	PASS
FLUDIOXONIL	0.4 ppm	ND	0.0004/0.0011	PASS	THIACLOPRID	0.2 ppm	ND	0.0002/0.0007	PASS
HEXYTHIAZOX	1 ppm	ND	0.0002/0.0005	PASS	THIAMETHOXAM	0.2 ppm	ND	0.0003/0.0009	PASS
IMAZALIL	0.2 ppm	ND	0.0018/0.0056	PASS	TRIFLOXYSTROB-IN	0.2 ppm	ND	0.0001/0.0005	PASS
IMIDACLOPRID	0.4 ppm	ND	0.0005/0.0014	PASS					



## CL-07: E. COLI AND SALMONELLA BY QPCR // MAY 01, 2023

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND		PASS

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	Any amount in 1 gram	ND		PASS

## CL-07: ASPERGILLUS BY QPCR // MAY 01, 2023

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ	PASS/FAIL
ASPERGILLUS FLAVUS	Any amount in 1 gram	ND		PASS
ASPERGILLUS FUMIGATUS	Any amount in 1 gram	ND		PASS
ASPERGILLUS NIGER	Any amount in 1 gram	ND		PASS

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND		PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND		PASS

## CL-07: COLIFORMS AND YEAST & MOLD // MAY 02, 2023

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	ND	100/100	PASS

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	ND	1000/1000	PASS

## CL-06: HEAVY METAL ANALYSIS BY ICP-MS // MAY 02, 2023

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
ARSENIC	0.4 ppm	ND	0.006/0.016	PASS
CADMIUM	0.4 ppm	< LOQ	0.002/0.006	PASS
CHROMIUM	1.2 ppm	ND	0.094/0.28	PASS
COPPER		3.567	0.138/0.296	N/A

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
LEAD	1 ppm	< LOQ	0.002/0.005	PASS
MERCURY	0.2 ppm	ND	0.0269/0.06	PASS
NICKEL	1 ppm	ND	0.068/0.196	PASS

## CL-09: WATER ACTIVITY // MAY 01, 2023

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.4162	PASS

## CL-10: FOREIGN MATTER ANALYSIS // MAY 01, 2023

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	ND	PASS

## NOTES

MANIK GUDIMANI      TERPENE ANALYSIS BY GC-MS WITH HEADSPACE  
MAY 04, 2023      FOR INFORMATION PURPOSES ONLY

## FOREIGN MATTER IMAGES

