

### **CERTIFICATE OF ANALYSIS**



REPORT PREPARED FOR:

PROJECT#

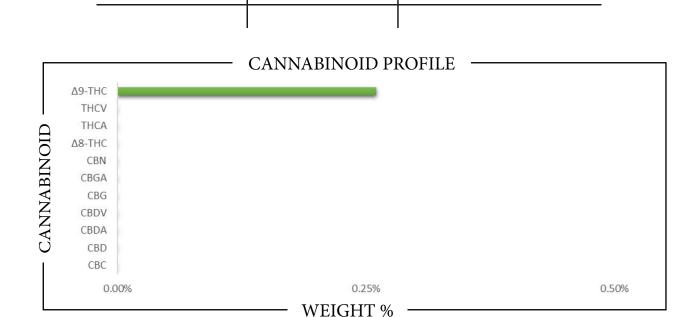
LAB ID

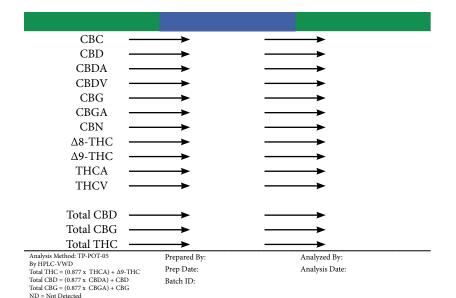
RECEIVED DATE

REPORT DATE



SAMPLE NAME:







APPROVED BY:

JUSTIN HALL

LAB DIRECTOR

Hall

SIGNATURE

SIGNED ON



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#### **TERPENES**

TERPENE PROFILE

gamma-Terpinene
Eucalyptol
Z-beta-Ocimene
D-Limonene
E-beta-Ocimene
alpha-Terpinene
3-Carene
alpha-Phellandrene
beta-Myrcene
Sabinene
Camphene
alpha-Pinene

0.00% 10.00% 20.00% 30.00% 40.00% 50.00% 60.00% 70.00% 80.00% 90.00% 100.00%

WEIGHT %

TERPENE	WEIGHT %	TERPENE	WEIGHT %	TERPENE	WEIGHT %
alpha-Bisabolol		Caryophyllene oxide		Limonene	
alpha-Cedrene		Cedrol		Linalool	
alpha-Humulene		Eucalyptol		Nerol	
alpha-Phellandrene		Farnesene		Nerolidol	
alpha-Pinene		Fenchone		Ocimene	
alpha-Terpinene		Fenchyl Alcohol		Pulegone	
beta-Caryophyllene		gamma-Terpinene		Sabinene	
beta-Myrcene		Geraniol		Sabinene hydrate	
beta-Pinene		Geranyl acetate		Terpineol	
Borneol		Guaiol		Terpinolene	
Camphene		Hexahydrothymol		Valencene	
Camphor		Isoborneol			
3-Carene		Isopulegol			

Prepared By: Analyzed By: Prepared Date: Analyzed Date:

Analysis Batch:

Analyzed by method TP-TER-01 by HS-GCMS

ND = Analyte not detected PPB = Parts per billion

APPROVED BY: JUSTIN HALL	J. Hell	
LAB DIRECTOR	SIGNATURE	SIGNED ON



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PESTICIDES PASS

	ACTION LEVEL	SAMPLE LEVEL		ACTION LEVEL	SAMPLE LEVEL
PESTICIDE	(PPB)	(PPB)	PESTICIDE	(PPB)	(PPB)
Acephate	100	ND	Imidacloprid	5000	ND
Acequinocyl	100	ND	Kresoxim methyl	100	ND
Acetamiprid	100	ND	Malathion	500	ND
Aldicarb	LOD	ND	Metalaxyl	100	ND
Avermectin B1a <sup>1</sup>	100	ND	Methiocarb	LOD	ND
Avermectin B1b1	100	ND	Methomyl	1000	ND
Azoxystrobin	100	ND	Methyl-Parathion	LOD	ND
Bifenazate	100	ND	Mevinphos	LOD	ND
Bifenthrin	3000	ND	Myclobutanil	100	ND
Boscalid	100	ND	Oxamyl	500	ND
Captan	100	ND	Paclobutrazol	LOD	ND
Carbaryl	500	ND	Pentachloronitrobenzene	LOD	ND
Carbofuran	LOD	ND	Permethrin I	500	ND
Chlorantraniliprole	10000	ND	Phosmet	100	ND
Chlordane	100	ND	Piperonyl butoxide	3000	ND
Chlorfenapyr	LOD	ND	Prallethrin	100	ND
Chloromequat chloride	LOD	ND	Propicanozole	100	ND
Chlorpyrifos	LOD	ND	Propoxur	LOD	ND
Clofentezine	100	ND	Pyrethrin I	500	ND
Coumaphos	LOD	ND	Pyrethrin II	500	ND
Cyfluthrin	2000	ND	Pyridaben	100	ND
Cypermethrin	1000	ND	Spinetoram J	100	ND
Daminozide	LOD	ND	Spinetoram L	100	ND
Diazinon	100	ND	Spinosyn A <sup>2</sup>	100	ND
Dibrom (Naled)	100	ND	Spinosyn D <sup>2</sup>	100	ND
Dichlorvos	LOD	ND	Spiromesifen	100	ND
Dimethoate	LOD	ND	Spirotetramat	100	ND
Dimethomorph I	2000	ND	Spiroxamine	LOD	ND
Dimethomorph II	2000	ND	Tebuconazole	100	ND
Ethoprophos	LOD	ND	Thiacloprid	LOD	ND
Etofenprox	LOD	ND	Thiamethoxam	5000	ND
Etoxazole	100	ND	Trifloxystrobin	100	ND
Fenhexamid	100	ND	Prepared By:	Analyzed By:	
Fenoxycarb	LOD	ND	Prepared Date:	Analyzed Date:	
Fenpyroximate	100	ND	Analysis Batch:	•	
Fipronil	LOD	ND	Analyzed by method TP-PES-01 on HPLC/MS/MS or GC/MS		
Flonicamid	100	ND	ND = Analyte not detected PPB = Parts per billion		
Fludixonil	100	ND	<sup>1</sup> Abamectin is a mixture of Avermectin B1a and Avermectin B1b		
Hexythiazox	100	ND	<sup>2</sup> Spinosad is a mixture of isomers S	pinosyn A and Spinosyn D	
Imazalil	LOD	ND			

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#### **RESIDUAL SOLVENTS**

PASS

CATEGORY I	PPM	CATEGORY II	PPM
Ethylene Oxide		Propane	
Methylene Chloride		Butane/Isobutane	
Benzene		Pentane	
1,2-Dichloroethane		Acetone	
Chloroform		Acetonitrile	
Trichloroethylene		Hexane	
Prepared By:		Ethyl Acetate	
Date Prepared:		Heptane	
Analyzed By:		Methanol	
Analysis Date:		Diethyl Ether	
Analysis Batch:		Ethanol	
Analysis method: TP-SOL-01 by H		Isopropanol	
No Category I solvent may be present to pass ND = Not detected PPM = Parts per million		Toluene	
		m+p Xylene	
		o-Xylene	

METALS PASS

METALS FDA - CATEGORY I	ACTION LEVEL (PPM)	SAMPLE LEVEL (PPM)
Arsenic (As)	1.5	
Cadmium (Cd)	0.5	
Lead (Pb)	0.5	
Mercury (Hg)	3.0	

Prepared By: Date Prepared: Analyzed By: Analysis Date

Analyzed by EPA method 6020A via ICP-OES or ICP-MS

ND = Not detected PPM = Parts per million

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SAMPLE NAME:

**MYCOTOXINS PASS** 

MYCOTOXIN	ACTION LEVEL (PPB)	SAMPLE LEVEL (PPB)
Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	Sum of all alflatoxins not to exceed 20 PPB	
Ochratoxin	20	

Prepared By: Date Prepared:

Analyzed By:

Analysis Date

Analysis Batch:

Analyzed by TP-MYC-01 on HPLC/MS/MS

ND = Not detected PPB = Parts per billion

**MICROBIALS PASS** 

	ACTION LEVEL (CFU/G)	SAMPLE LEVEL (CFU/G)
Total Coliform		
E. Coli	Presence	
Yeast & Mold		
Enterobacteriaceae		
Salmonella	Presence	
Total Count		

Prepared By: Date Prepared: Analyzed By:

Analysis Date

Analyzed by COMPACTDRY method. ND = Not detected

CFU/G = Colony forming uniits per gram

APPROVED BY:	Li Hell	1
JUSTIN HALL		
LAB DIRECTOR	SIGNATURE	SIGNED ON