Date Received: 09/04/2024 Date Completed: 09/10/2024



# **CERTIFICATE OF ANALYSIS**

#### **Summary of Results**

Analysis Type	SOP	Date Tested	<u>Status</u>
Cannabinoids	EA-SOP-POTENCY	09/06/2024	Complete
Heavy Metals	EA-SOP-HM	09/07/2024	Pass
Microbials	EA-SOP-ARIA	09/08/2024	Pass
Mycotoxins	EA-SOP-MYCO	09/10/2024	Pass
Residual Solvents	EA-SOP-RES	09/09/2024	Pass
Pesticides	EA-SOP-PEST	09/10/2024	Pass



Unit Size (g): 28.35

## POTENCY CANNABINOID PROFILE

Тоtal ТНС тнса * 0.877 + D9-тнс	Total CBD CBDA * 0.877 + CBD				
ND	266.71 mg/unit				
Analyte	<u>Result (mg/g)</u>	mg/unit	<u>w/w%</u>	LOQ (ppm)	LOD (ppm)
CANNABIDIVARIN (CBDV)	<loq< td=""><td><loq< td=""><td><loq< td=""><td>100</td><td>30</td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td>100</td><td>30</td></loq<></td></loq<>	<loq< td=""><td>100</td><td>30</td></loq<>	100	30
CANNABICHROMENE (CBC)	ND	ND	ND	100	30
CANNABIGEROL (CBG)	0.24	6.69	0.02	100	30
CANNABINOL (CBN)	ND	ND	ND	100	30
CANNABIDIOL (CBD)	9.41	266.71	0.94	100	30
CANNABIDIOLIC ACID (CBDA)	ND	ND	ND	100	30
Δ9-TETRAHYDROCANNABINOLIC ACID (THCA)	ND	ND	ND	100	30
Δ9-TETRAHYDROCANNABINOL (D9-THC)	ND	ND	ND	100	30
	ND	ND	ND	100	30

NOTES:

ND = NOT DETECTED; LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION

The cannabinoid potency reported above was analyzed via High Performance Liquid Chromatography (HPLC) using Variable Wavelength Detection (VWD).



Noel Samsum Laboratory Director 10-Sep-2024

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# **CERTIFICATE OF ANALYSIS**

#### **Heavy Metal Analysis**

Analyte	<u>Result (ppm)</u>	LOQ (ppm)	LOD (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Arsenic	<lod< th=""><th>0.010</th><th>0.005</th><th>1.5</th><th>Pass</th></lod<>	0.010	0.005	1.5	Pass
Cadmium	<lod< th=""><th>0.010</th><th>0.005</th><th>0.5</th><th>Pass</th></lod<>	0.010	0.005	0.5	Pass
Lead	<lod< th=""><th>0.010</th><th>0.005</th><th>0.5</th><th>Pass</th></lod<>	0.010	0.005	0.5	Pass
Mercury	<lod< th=""><th>0.010</th><th>0.005</th><th>3.0</th><th>Pass</th></lod<>	0.010	0.005	3.0	Pass

### **Microbiological Analysis**

Microbe	<u>Result</u>	<u>Limit</u>	Pass/Fail
Aspergillus Flavus	Negative/1g	Negative/1g	Pass
Aspergillus Fumigatus	Negative/1g	Negative/1g	Pass
Aspergillus Niger	Negative/1g	Negative/1g	Pass
Aspergillus Terreus	Negative/1g	Negative/1g	Pass
Escherichia Coli (E. Coli)	Negative/1g	Negative/1g	Pass
Salmonella	Negative/1g	Negative/1g	Pass
Yeast/Mold	Not Detected	-	Pass
NOTES:			

CFU = Colony Forming Unit NS = Not Specified NT = Not Tested

LOQ = Limit of Quantification LOD = Limit of Detection



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# **CERTIFICATE OF ANALYSIS**

### **Mycotoxins**

Analyte	<u>Result (ppb)</u>	LOD (ppb)	LOQ (ppb)	<u>Limit (ppb)</u>	Pass/Fail
Aflatoxin B1	<lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	3.0	9.0	-	-
Aflatoxin B2	<lod< th=""><th>2.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	2.0	9.0	-	-
Aflatoxin G1	<lod< th=""><th>3.0</th><th>9.0</th><th>-</th><th>-</th></lod<>	3.0	9.0	-	-
Aflatoxin G2	<lod< th=""><th>2.0</th><th>6.0</th><th>-</th><th>-</th></lod<>	2.0	6.0	-	-
Ochratoxin A	<lod< th=""><th>4.0</th><th>12.0</th><th>20</th><th>Pass</th></lod<>	4.0	12.0	20	Pass
Total Aflatoxins	<lod< th=""><th></th><th></th><th>20</th><th>Pass</th></lod<>			20	Pass

### **Residual Solvent Analysis**

Analyte	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	<u>Limit (ppm)</u>	Pass/Fail
,2-Dichloro-Ethane	<lod< td=""><td>0.10</td><td>0.30</td><td>1</td><td>Pass</td></lod<>	0.10	0.30	1	Pass
Benzene	<lod< td=""><td>0.03</td><td>0.10</td><td>1</td><td>Pass</td></lod<>	0.03	0.10	1	Pass
Chloroform	<lod< td=""><td>0.03</td><td>0.10</td><td>1</td><td>Pass</td></lod<>	0.03	0.10	1	Pass
thylene Oxide	<lod< td=""><td>0.20</td><td>0.60</td><td>1</td><td>Pass</td></lod<>	0.20	0.60	1	Pass
Viethylene-Chloride	<lod< td=""><td>0.10</td><td>0.80</td><td>1</td><td>Pass</td></lod<>	0.10	0.80	1	Pass
Trichloroethene	<lod< td=""><td>0.03</td><td>0.20</td><td>1</td><td>Pass</td></lod<>	0.03	0.20	1	Pass
Acetone	<lod< td=""><td>1</td><td>60</td><td>5000</td><td>Pass</td></lod<>	1	60	5000	Pass
Acetonitrile	<lod< td=""><td>1</td><td>5</td><td>410</td><td>Pass</td></lod<>	1	5	410	Pass
Butane	<lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>	1	5	5000	Pass
thanol	<lod< td=""><td>3</td><td>10</td><td>5000</td><td>Pass</td></lod<>	3	10	5000	Pass
Ethyl-Acetate	<lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>	1	5	5000	Pass
Ethyl-Ether	<lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>	1	5	5000	Pass
leptane	<lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>	1	5	5000	Pass
n-Hexane	<lod< td=""><td>1</td><td>5</td><td>290</td><td>Pass</td></lod<>	1	5	290	Pass
sopropanol	<lod< td=""><td>1</td><td>5</td><td>5000</td><td>Pass</td></lod<>	1	5	5000	Pass
Viethanol	<lod< td=""><td>1</td><td>5</td><td>3000</td><td>Pass</td></lod<>	1	5	3000	Pass
Pentane	<lod< td=""><td>2</td><td>5</td><td>5000</td><td>Pass</td></lod<>	2	5	5000	Pass
Propane	<lod< td=""><td>5</td><td>10</td><td>5000</td><td>Pass</td></lod<>	5	10	5000	Pass
Foluene	<lod< td=""><td>1</td><td>5</td><td>890</td><td>Pass</td></lod<>	1	5	890	Pass
(ylenes	<lod< td=""><td>1</td><td>5</td><td>2170</td><td>Pass</td></lod<>	1	5	2170	Pass



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# **CERTIFICATE OF ANALYSIS**

### **Category 1 Pesticide Analysis**

Analyte	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	Pass/Fail
Aldicarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Carbofuran	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlordane	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlorfenapyr	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Chlorpyrifos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Coumaphos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Daminozide	<lod< td=""><td>0.030</td><td>0.080</td><td>Pass</td></lod<>	0.030	0.080	Pass
Dichlorvos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Dimethoate	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Ethoprophos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Etofenprox	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Fenoxycarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Fipronil	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Imazalil	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Methiocarb	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Mevinphos	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Paclobutrazol	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Parathion Methyl	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Propoxur	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Spiroxamine	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass
Thiacloprid	<lod< td=""><td>0.025</td><td>0.075</td><td>Pass</td></lod<>	0.025	0.075	Pass



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# **CERTIFICATE OF ANALYSIS**

### **Category 2 Pesticide Analysis**

<u>Analyte</u>	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Abamectin	<lod< td=""><td>0.010</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<>	0.010	0.050	0.3	Pass
Acephate	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Acequinocyl	<lod< td=""><td>0.020</td><td>0.075</td><td>4</td><td>Pass</td></lod<>	0.020	0.075	4	Pass
Acetamiprid	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Azoxystrobin	<lod< td=""><td>0.010</td><td>0.050</td><td>40</td><td>Pass</td></lod<>	0.010	0.050	40	Pass
Bifenazate	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Bifenthrin	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Boscalid	<lod< td=""><td>0.020</td><td>0.075</td><td>10</td><td>Pass</td></lod<>	0.020	0.075	10	Pass
Captan	<lod< td=""><td>0.150</td><td>0.400</td><td>5</td><td>Pass</td></lod<>	0.150	0.400	5	Pass
Carbaryl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Chlorantraniliprole	<lod< td=""><td>0.025</td><td>0.075</td><td>40</td><td>Pass</td></lod<>	0.025	0.075	40	Pass
Clofentezine	<lod< td=""><td>0.020</td><td>0.050</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.050	0.5	Pass
Cyfluthrin	<lod< td=""><td>0.020</td><td>0.075</td><td>1</td><td>Pass</td></lod<>	0.020	0.075	1	Pass
Cypermethrin	<lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.020	0.050	1	Pass
Diazinon	<lod< td=""><td>0.010</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<>	0.010	0.050	0.2	Pass
Dimethomorph	<lod< td=""><td>0.020</td><td>0.050</td><td>20</td><td>Pass</td></lod<>	0.020	0.050	20	Pass
Etoxazole	<lod< td=""><td>0.010</td><td>0.050</td><td>1.5</td><td>Pass</td></lod<>	0.010	0.050	1.5	Pass
Fenhexamid	<lod< td=""><td>0.020</td><td>0.050</td><td>10</td><td>Pass</td></lod<>	0.020	0.050	10	Pass
Fenpyroximate	<lod< td=""><td>0.010</td><td>0.050</td><td>2</td><td>Pass</td></lod<>	0.010	0.050	2	Pass
Flonicamid	<lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>	0.030	0.090	2	Pass
ludioxonil	<lod< td=""><td>0.020</td><td>0.050</td><td>30</td><td>Pass</td></lod<>	0.020	0.050	30	Pass
lexythiazox	<lod< td=""><td>0.030</td><td>0.090</td><td>2</td><td>Pass</td></lod<>	0.030	0.090	2	Pass
midacloprid	<lod< td=""><td>0.030</td><td>0.075</td><td>3</td><td>Pass</td></lod<>	0.030	0.075	3	Pass



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# **CERTIFICATE OF ANALYSIS**

### **Category 2 Pesticide Analysis Continued**

Analyte	<u>Result (ppm)</u>	LOD (ppm)	LOQ (ppm)	<u>Limit (ppm)</u>	Pass/Fail
Kresoxim Methyl	<lod< td=""><td>0.020</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.020	0.050	1	Pass
Malathion	<lod< td=""><td>0.020</td><td>0.050</td><td>5</td><td>Pass</td></lod<>	0.020	0.050	5	Pass
Metalaxyl	<lod< td=""><td>0.010</td><td>0.050</td><td>15</td><td>Pass</td></lod<>	0.010	0.050	15	Pass
Methomyl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.1</td><td>Pass</td></lod<>	0.020	0.050	0.1	Pass
Myclobutanil	<lod< td=""><td>0.020</td><td>0.075</td><td>9</td><td>Pass</td></lod<>	0.020	0.075	9	Pass
Naled	<lod< td=""><td>0.020</td><td>0.075</td><td>0.5</td><td>Pass</td></lod<>	0.020	0.075	0.5	Pass
Oxamyl	<lod< td=""><td>0.020</td><td>0.050</td><td>0.3</td><td>Pass</td></lod<>	0.020	0.050	0.3	Pass
Pentachloronitrobenzene	<lod< td=""><td>0.020</td><td>0.075</td><td>0.2</td><td>Pass</td></lod<>	0.020	0.075	0.2	Pass
Permethrin	<lod< td=""><td>0.010</td><td>0.050</td><td>20</td><td>Pass</td></lod<>	0.010	0.050	20	Pass
Phosmet	<lod< td=""><td>0.020</td><td>0.050</td><td>0.2</td><td>Pass</td></lod<>	0.020	0.050	0.2	Pass
Piperonyl Butoxide	<lod< td=""><td>0.010</td><td>0.050</td><td>8</td><td>Pass</td></lod<>	0.010	0.050	8	Pass
Prallethrin	<lod< td=""><td>0.025</td><td>0.075</td><td>0.4</td><td>Pass</td></lod<>	0.025	0.075	0.4	Pass
Propiconazole	<lod< td=""><td>0.020</td><td>0.075</td><td>20</td><td>Pass</td></lod<>	0.020	0.075	20	Pass
Pyrethrins	<lod< td=""><td>0.010</td><td>0.050</td><td>1</td><td>Pass</td></lod<>	0.010	0.050	1	Pass
Pyridaben	<lod< td=""><td>0.020</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.020	0.050	3	Pass
Spinetoram	<lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.010	0.050	3	Pass
Spinosad	<lod< td=""><td>0.010</td><td>0.050</td><td>3</td><td>Pass</td></lod<>	0.010	0.050	3	Pass
Spiromesifen	<lod< td=""><td>0.020</td><td>0.050</td><td>12</td><td>Pass</td></lod<>	0.020	0.050	12	Pass
Spirotetramat	<lod< td=""><td>0.020</td><td>0.050</td><td>13</td><td>Pass</td></lod<>	0.020	0.050	13	Pass
Tebuconazole	<lod< td=""><td>0.020</td><td>0.050</td><td>2</td><td>Pass</td></lod<>	0.020	0.050	2	Pass
Thiamethoxam	<lod< td=""><td>0.020</td><td>0.075</td><td>4.5</td><td>Pass</td></lod<>	0.020	0.075	4.5	Pass
Trifloxystrobin	<lod< td=""><td>0.010</td><td>0.050</td><td>30</td><td>Pass</td></lod<>	0.010	0.050	30	Pass



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