

Sample Name: THCA-LLMIX1

Client: mateelbotanicals

Sample Type: Oil

Strain: Unknown

Submitted: April 26, 2018

Tested: April 26, 2018

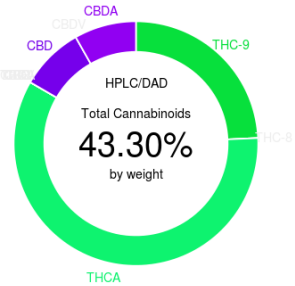
Expires: April 23, 2019

Submitted for: HPLC,

Profiling by Liquid Chromatography - Pass

(SOP-014) | Date Performed: 2018-04-27

Cannabinoid	Percent	mg/g	LOQ	LOD	L.C. ¹	Status
d9-THC	10.51	105.08	5.00	1.67	-	Pass
d8-THC	ND ¹	ND ¹	5.00	1.67	-	Pass
THCA	25.59	255.90	5.00	1.67	-	Pass
THCV	ND ¹	ND ¹	5.00	1.67	-	Pass
CBG	ND ¹	ND ¹	5.00	1.67	-	Pass
CBGA	<LOQ	<LOQ	5.00	1.67	-	Pass
CBN	<LOQ	<LOQ	5.00	1.67	-	Pass
CBD	3.65	36.53	5.00	1.67	-	Pass
CBDV	ND ¹	ND ¹	5.00	1.67	-	Pass
CBDA	3.55	35.51	5.00	1.67	-	Pass
Total	43.30	433.02	NA	NA	-	Pass



HPLC/DAD results are not moisture normalized.

-29% Decarboxylated THC

¹L.C. = Label Claim in percentage units

Microbiological Screening -

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed:

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	NA	< 1 cfu/g	cfu/g	
Salmonella	NA	< 1 cfu/g	cfu/g	
Aspergillus	NA	< 1 cfu/g	cfu/g	
Pseudomonas	NA	< 1 cfu/g	cfu/g	
APC	NA	< 1 cfu/g	cfu/g	
E. Coli	NA	< 1 cfu/g	cfu/g	
Coliform	NA	< 1 cfu/g	cfu/g	
Yeast & Mold	NA	< 1 cfu/g	cfu/g	

*TNTC = Too Numerous To Count

¹ND = Not Detected

Residual Solvent Analysis -

Analysis of residual solvents. [SOP-011] | Date Performed:

Solvent	ug/g	Action Limit	LOQ	LOD	Status
Benzene	NT				
Chloroform	NT				
1,2-Dichloroethane	NT				
Ethylene Oxide	NT				
Methylene Chloride	NT				
Trichloroethylene	NT				
Acetone	NT				
Acetonitrile	NT				
Ethanol	NT				
Ethyl Acetate	NT				
Heptane	NT				
Hexane	NT				
Isopropanol	NT				
Methanol	NT				
N-Butane	NT				
Pentane	NT				
Propane	NT				
Toluene	NT				
Total Xylenes	NT				

*ND = Not Detected

**Client Limit is self-selected and will be replaced by official CA State limits when they become available



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Sample Type: Oil

Strain: Unknown

Submitted: April 26, 2018

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Submitted for: HPLC,

Chemical Residue Screening -

Targeted analysis of chemical residues. [SOP-017] | Date Performed:

	ug/g	LOQ	LOD	Action Limit	Status		ug/g	LOQ	LOD	Action Limit	Status
Abamectin	NT					Fludioxonil	NT				
Acephate	NT					Hexythiazox	NT				
Acequinocyl	NT					Imazalil	NT				
Acetamiprid	NT					Imidacloprid	NT				
Aldicarb	NT					Kresoxim-methyl	NT				
Azoxystrobin	NT					Metalaxyl	NT				
Bifenazate	NT					Methiocarb	NT				
Bifenthrin	NT					Methomyl	NT				
Boscalid	NT					Mevinphos	NT				
Captan	NT					Myclobutanil	NT				
Carbaryl	NT					Naled	NT				
Carbofuran	NT					Oxamyl	NT				
Chlorantraniliprole	NT					Paclobutrazol	NT				
Chlordane	NT					Parathion methyl	NT				
Chlorfenapyr	NT					PCNB	NT				
Chlorpyrifos	NT					Permethrin	NT				
Clofentezine	NT					Phosmet	NT				
Coumaphos	NT					Piperonyl butoxide	NT				
Cyfluthrin	NT					Prallethrin	NT				
Cypermethrin	NT					Propiconazole	NT				
Daminozide	NT					Propoxure	NT				
Diazinon	NT					Pyrethrin	NT				
Dichlorvos	NT					Pyridaben	NT				
Dimethoate	NT					Spinetoram	NT				
Dimethomorph	NT					Spinosad	NT				
Ethoprophos	NT					Spiromesifen	NT				
Etofenprox	NT					Spirotetramat	NT				
Etoxazole	NT					Spiroxamine	NT				
Fenhexamid	NT					Tebuconazole	NT				
Fenoxycarb	NT					Thiacloprid	NT				
Fenpyroximate	NT					Thiamethoxam	NT				
Fipronil	NT					Trifloxystrobin	NT				
Flonicamid	NT										

*ND = Not Detected
NT = Not Tested

Terpene Profiling -

Analysis of terpenes. [SOP-012] | Date Performed:

	PPM	mg/g	LOQ	LOD	L.C. ²	Status		PPM	mg/g	LOQ	LOD	L.C. ²	Status
b-Myrcene	NT						Camphor	NT					
Nerol	NT						Borneol	NT					
Nerolidol	NT						Pulegone	NT					
Ocimene	NT						Cedrol	NT					
a-Bisbolol	NT						b-Caryophyllene	NT					
Farnasene	NT						Elemene	NT					
Valencene	NT						Phellandrene	NT					
d3-Carene	NT						Isopulegol	NT					
d-Limonene	NT						Linalool	NT					
g-Terpinene	NT						(+)-Fenchone	NT					
a-Pinene	NT						a-Caryophyllene	NT					
Sabinene	NT						Guaiol	NT					
b-Pinene	NT						Bergamotene	NT					
Camphene	NT						Terpineol	NT					
Eucalyptol	NT						Terpinolene	NT					
(-)-Fenchone	NT						a-Terpinene	NT					
Fenchol	NT												

Total Terpenes 0.0 PPM

¹ND = Not Detected
²L.C. = Label Claim

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



This sample was tested by CW Analytical Laboratories. Results are valid through the expiration date indicated.

Robert W Martin, PhD
Robert W Martin, PhD

Sample Name: THCALLMIX1-P+T

Client: mateelbotanicals

Sample Type: Oil

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: May 10, 2018

Tested: May 10, 2018

Expires: May 06, 2019

Submitted for: Chemres, Terpenes,

Profiling by Liquid Chromatography -

(SOP-014) | Date Performed:

Cannabinoid	Percent	mg/g	LOQ	LOD	L.C. ¹	Status
d9-THC	NA	NA				
d8-THC	NA	NA				
THCA	NA	NA				
THCV	NA	NA				
CBG	NA	NA				
CBGA	NA	NA				
CBN	NA	NA				
CBD	NA	NA				
CBDV	NA	NA				
CBDA	NA	NA				
Total	NA	NA	NA	NA	-	



¹L.C. = Label Claim in percentage units

Microbiological Screening -

Petrifilm screening for microbiological contamination. [SOP-009] | Date Performed:

	Analysis	Limit of Detection	Action Limits	Status
Shiga-Toxin E. Coli	NA	< 1 cfu/g	cfu/g	
Salmonella	NA	< 1 cfu/g	cfu/g	
Aspergillus	NA	< 1 cfu/g	cfu/g	
Pseudomonas	NA	< 1 cfu/g	cfu/g	
APC	NA	< 1 cfu/g	cfu/g	
E. Coli	NA	< 1 cfu/g	cfu/g	
Coliform	NA	< 1 cfu/g	cfu/g	
Yeast & Mold	NA	< 1 cfu/g	cfu/g	

*TNTC = Too Numerous To Count

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Residual Solvent Analysis -

Analysis of residual solvents. [SOP-011] | Date Performed:

Solvent	ug/g	Action Limit	LOQ	LOD	Status
Benzene	NT				
Chloroform	NT				
1,2-Dichloroethane	NT				
Ethylene Oxide	NT				
Methylene Chloride	NT				
Trichloroethylene	NT				
Acetone	NT				
Acetonitrile	NT				
Ethanol	NT				
Ethyl Acetate	NT				
Heptane	NT				
Hexane	NT				
Isopropanol	NT				
Methanol	NT				
N-Butane	NT				
Pentane	NT				
Propane	NT				
Toluene	NT				
Total Xylenes	NT				

*ND = Not Detected

**Client Limit is self-selected and will be replaced by official CA State limits when they become available

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com



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Robert W Martin, PhD
Robert W Martin, PhD

Sample Name: THCALLMIX1-P+T

Client: mateelbotanicals

Sample Type: Oil

Strain: Unknown

Moisture: 0.0% [LPG-001]

Submitted: May 10, 2018

Tested: May 10, 2018

Expires: May 06, 2019

Submitted for: Chemres, Terpenes,

Chemical Residue Screening - Pass

Targeted analysis of chemical residues. [SOP-017] | Date Performed: 2018-05-10

	ug/g	LOQ	LOD	Action Limit	Status		ug/g	LOQ	LOD	Action Limit	Status
Abamectin	ND ¹	0.04	0.01	0.10	Pass	Fludioxonil	ND ¹	0.03	0.01	0.10	Pass
Acephate	ND ¹	0.31	0.10	0.10	Pass	Hexythiazox	ND ¹	0.04	0.01	0.10	Pass
Acequinocyl	ND ¹	0.03	0.01	0.10	Pass	Imazalil	ND ¹	0.01	0.01	0.00	Pass
Acetamiprid	ND ¹	0.03	0.01	0.10	Pass	Imidacloprid	ND ¹	0.04	0.01	5.00	Pass
Aldicarb	ND ¹	0.04	0.01	0.00	Pass	Kresoxim-methyl	ND ¹	0.02	0.01	0.10	Pass
Azoxystrobin	ND ¹	0.02	0.01	0.10	Pass	Metalaxyl	ND ¹	0.01	0.01	2.00	Pass
Bifenazate	ND ¹	0.03	0.01	0.10	Pass	Methiocarb	ND ¹	0.03	0.01	0.00	Pass
Bifenthrin	ND ¹	0.17	0.06	3.00	Pass	Methomyl	ND ¹	0.03	0.01	1.00	Pass
Boscalid	ND ¹	0.03	0.01	0.10	Pass	Mevinphos	ND ¹	0.03	0.01	0.00	Pass
Captan	ND ¹	0.07	0.02	0.70	Pass	Myclobutanil	ND ¹	0.03	0.01	0.10	Pass
Carbaryl	ND ¹	0.03	0.01	0.50	Pass	Naled	ND ¹	0.06	0.02	0.10	Pass
Carbofuran	ND ¹	0.02	0.01	0.00	Pass	Oxamyl	ND ¹	0.04	0.01	0.50	Pass
Chlorantraniliprole	ND ¹	0.06	0.02	10.00	Pass	Paclbutrazol	ND ¹	0.03	0.01	0.00	Pass
Chlordane	ND ¹	0.12	0.04	0.00	Pass	Parathion methyl	ND ¹	0.14	0.05	0.00	Pass
Chlorfenapyr	ND ¹	0.06	0.02	0.00	Pass	PCNB	ND ¹	0.05	0.02	0.10	Pass
Chlorpyrifos	ND ¹	0.13	0.04	0.00	Pass	Permethrin	ND ¹	0.05	0.02	0.50	Pass
Clofentezine	ND ¹	0.04	0.01	0.10	Pass	Phosmet	ND ¹	0.02	0.01	0.10	Pass
Coumaphos	ND ¹	0.05	0.02	0.00	Pass	Piperonyl butoxide	0.04	0.02	0.01	3.00	Pass
Cyfluthrin	ND ¹	0.13	0.04	2.00	Pass	Prallethrin	ND ¹	0.07	0.02	0.10	Pass
Cypermethrin	ND ¹	0.10	0.03	1.00	Pass	Propiconazole	ND ¹	0.02	0.01	0.10	Pass
Daminozide	ND ¹	0.05	0.02	0.00	Pass	Propoxure	ND ¹	0.02	0.01	0.00	Pass
Diazinon	ND ¹	0.02	0.01	0.10	Pass	Pyrethrin	ND ¹	0.09	0.03	0.50	Pass
Dichlorvos	ND ¹	0.03	0.01	0.00	Pass	Pyridaben	ND ¹	0.00	0.00	0.10	Pass
Dimethoate	ND ¹	0.05	0.02	0.00	Pass	Spinetoram	ND ¹	0.03	0.01	0.10	Pass
Dimethomorph	ND ¹	0.01	0.01	2.00	Pass	Spinosad	ND ¹	0.02	0.01	0.10	Pass
Ethoprophos	ND ¹	0.05	0.02	0.00	Pass	Spiromesifen	ND ¹	0.07	0.02	0.10	Pass
Etofenprox	ND ¹	0.03	0.01	0.00	Pass	Spirotetramat	ND ¹	0.03	0.01	0.10	Pass
Etoxazole	ND ¹	0.02	0.01	0.10	Pass	Spiroxamine	ND ¹	0.03	0.01	0.00	Pass
Fenhexamid	ND ¹	0.03	0.01	0.10	Pass	Tebuconazole	ND ¹	0.06	0.02	0.10	Pass
Fenoxycarb	ND ¹	0.03	0.01	0.00	Pass	Thiacloprid	ND ¹	0.02	0.01	0.00	Pass
Fenpyroximate	ND ¹	0.03	0.01	0.10	Pass	Thiamethoxam	ND ¹	0.02	0.01	5.00	Pass
Fipronil	ND ¹	0.04	0.01	0.00	Pass	Trifloxystrobin	ND ¹	0.04	0.01	0.10	Pass
Flonicamid	ND ¹	0.04	0.01	0.10	Pass						

¹ND = Not Detected
²NT = Not Tested

Terpene Profiling - Pass

Analysis of terpenes. [SOP-012] | Date Performed: 2018-05-12

	Percent	mg/g	LOQ	LOD	L.C. ²	Status		Percent	mg/g	LOQ	LOD	L.C. ²	Status
b-Myrcene	0.57	5.72	0.1	0.03	-	Pass	Camphor	ND ¹	0.00	0.1	0.03	-	Pass
Nerol	ND ¹	0.00	0.1	0.03	-	Pass	Borneol	0.01	0.13	0.1	0.03	-	Pass
Nerolidol	0.02	0.15	0.1	0.03	-	Pass	Pulegone	ND ¹	0.00	0.1	0.03	-	Pass
Ocimene	0.04	0.39	0.1	0.03	-	Pass	Cedrol	0.01	0.06	0.1	0.03	-	Pass
a-Bisbolol	0.01	0.05	0.1	0.03	-	Pass	b-Caryophyllene	0.02	0.19	0.1	0.03	-	Pass
Farnasene	ND ¹	0.00	0.1	0.03	-	Pass	Elemene	ND ¹	0.00	0.1	0.03	-	Pass
Valencene	0.11	1.09	0.1	0.03	-	Pass	Phellandrene	0.03	0.29	0.1	0.03	-	Pass
d3-Carene	ND ¹	0.00	0.1	0.03	-	Pass	Isopulegol	ND ¹	0.00	0.1	0.03	-	Pass
d-Limonene	0.48	4.75	0.1	0.03	-	Pass	Linalool	0.01	0.08	0.1	0.03	-	Pass
g-Terpinene	0.03	0.26	0.1	0.03	-	Pass	(+)-Fenchone	0.01	0.07	0.1	0.03	-	Pass
a-Pinene	0.21	2.06	0.1	0.03	-	Pass	a-Caryophyllene	0.06	0.62	0.1	0.03	-	Pass
Sabinene	ND ¹	0.00	0.1	0.03	-	Pass	Guaiol	ND ¹	0.00	0.1	0.03	-	Pass
b-Pinene	ND ¹	0.00	0.1	0.03	-	Pass	Bergamotene	ND ¹	0.00	0.1	0.03	-	Pass
Camphene	0.16	1.60	0.1	0.03	-	Pass	Terpineol	0.06	0.61	0.1	0.03	-	Pass
Eucalyptol	0.04	0.37	0.1	0.03	-	Pass	Terpinolene	0.10	1.04	0.1	0.03	-	Pass
(-)-Fenchone	ND ¹	0.00	0.1	0.03	-	Pass	a-Terpinene	0.04	0.39	0.1	0.03	-	Pass
Fenchol	0.10	1.05	0.1	0.03	-	Pass							

Total Terpenes 2.1 Percent

¹ND = Not Detected
²L.C. = Label Claim

