



Certificate of Analysis

Provided for quality control or research and development purposes.

Powered by Confident LIMS
1 of 5

Strain: N/A

Sample Received: 04/29/2024; Report Created: 04/30/2024

Harvest/Production Date:

Sampling: Random; Environment: Room Temp

CBT

Concentrates & Extracts, Distillate, Vacuum Distillation



Analyte	Analyte
THCa	CBN
Δ^9 -THC	CBGa
Δ^8 -THC	CBG
THCVa	CBCa
THCV	CBC
CBDa	CBLa
CBD	CBT
CBDVa	Δ^{10} -THC
CBDV	Exo-THC

Cannabinoids

1681 HPLC3

Pass

0.36%

Total THC* (Calculated
Decarboxylated Potential)

0.28%

Total CBD** (Calculated
Decarboxylated Potential)

80.03%

Total Cannabinoids Analyzed

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
THCa	0.9	<LOQ	<LOQ
Δ^9 -THC	0.9	3.6	0.36
Δ^8 -THC	0.9	<LOQ	<LOQ
THCVa	0.9	<LOQ	<LOQ
THCV	0.9	<LOQ	<LOQ
CBDa	0.9	<LOQ	<LOQ
CBD	0.9	2.8	0.28
CBDVa	0.9	<LOQ	<LOQ
CBDV	0.9	<LOQ	<LOQ
CBN	0.9	<LOQ	<LOQ
CBGa	0.9	<LOQ	<LOQ
CBG	0.9	<LOQ	<LOQ
CBCa	0.9	<LOQ	<LOQ
CBC	0.9	1.5	0.15
CBLa	0.9	2.4	0.24
CBT	0.9	790.0	79.00
Δ^{10} -THC	0.9	<LOQ	<LOQ
Exo-THC	0.9	<LOQ	<LOQ
Total		800.3	80.03

Method: CH SOP 4400

*Total THC = THCa * 0.877 + Δ^9 -THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

>ULOQ = above upper LOQ. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample cannabinoid potency results.



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Patrick Trujillo

Laboratory Director

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Concentrates & Extracts, Distillate, Vacuum Distillation



Residual Solvents

1270 GCMS2
04/29/2024

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
1,4-Dioxane	50	380	<LOQ	Pass
2-Butanol	500	5000	<LOQ	Pass
2-Ethoxy-Ethanol	50	160	<LOQ	Pass
Acetone	500	5000	<LOQ	Pass
Acetonitrile	50	410	<LOQ	Pass
Benzene	1	2	<LOQ	Pass
Butanes	500	5000	<LOQ	Pass
Cumene	13	70	<LOQ	Pass
Cyclohexane	50	3880	<LOQ	Pass
Dichloromethane	250	600	<LOQ	Pass
Ethyl-Acetate	500	5000	<LOQ	Pass
Ethyl-Ether	500	5000	<LOQ	Pass
Ethylene Glycol	250	620	<LOQ	Pass
Ethylene Oxide	13	50	<LOQ	Pass
Heptane	500	5000	<LOQ	Pass
Hexanes	50	290	<LOQ	Pass
Isopropanol	500	5000	<LOQ	Pass
Isopropyl-Acetate	500	5000	<LOQ	Pass
Methanol	500	3000	<LOQ	Pass
Pentanes	500	5000	<LOQ	Pass
Propane	500	5000	<LOQ	Pass
Tetrahydrofuran	50	720	<LOQ	Pass
Toluene	50	890	<LOQ	Pass
Xylenes	50	2170	<LOQ	Pass

LOQ = Limit of Quantification; PPM = Parts Per Million; NR = Not Reported; ND = Not Detected. >ULOQ = greater than upper LOQ. ULOQ = 2,500ppm for 1,4-Dioxane, 2-Ethoxy-Ethanol, Cumene, and Xylenes; 5,000ppm all other analytes. Method: EPA 5021A, Agilent 6890A GCMS with 7679A Headspace Autosampler; ORELAP ID 4057

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CBT

Concentrates & Extracts, Distillate, Vacuum Distillation



Pesticides

1819 LCQQQ3
04/29/2024

Pass

Analyte	LOQ	Limit	Mass	Status	Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB			PPB	PPB	PPB	
Abamectin	400	500	<LOQ	Pass	Imazalil	100	200	<LOQ	Pass
Acephate	100	400	<LOQ	Pass	Imidacloprid	100	400	<LOQ	Pass
Acequinocyl	400	2000	<LOQ	Pass	Kresoxim Methyl	100	400	<LOQ	Pass
Acetamiprid	100	200	<LOQ	Pass	Malathion	100	200	<LOQ	Pass
Aldicarb	200	400	<LOQ	Pass	Metalaxyl	100	200	<LOQ	Pass
Azoxystrobin	100	200	<LOQ	Pass	Methiocarb	100	200	<LOQ	Pass
Bifenazate	100	200	<LOQ	Pass	Methomyl	100	400	<LOQ	Pass
Bifenthrin	100	200	176	Pass	Methyl Parathion	100	200	<LOQ	Pass
Boscalid	200	400	<LOQ	Pass	MGK-264	100	200	<LOQ	Pass
Carbaryl	100	200	<LOQ	Pass	Myclobutanil	100	200	<LOQ	Pass
Carbofuran	100	200	<LOQ	Pass	Naled	100	500	<LOQ	Pass
Chlorantraniliprole	100	200	<LOQ	Pass	Oxamyl	100	1000	<LOQ	Pass
Chlorfenapyr	400	1000	<LOQ	Pass	Paclobutrazol	100	400	<LOQ	Pass
Chlorpyrifos	100	200	<LOQ	Pass	Permethrins	100	200	<LOQ	Pass
Clofentezine	100	200	<LOQ	Pass	Phosmet	100	200	<LOQ	Pass
Cyfluthrin	400	1000	<LOQ	Pass	Piperonyl Butoxide	100	2000	<LOQ	Pass
Cypermethrin	400	1000	<LOQ	Pass	Prallethrin	100	200	<LOQ	Pass
Daminozide	400	1000	<LOQ	Pass	Propiconazole	200	400	<LOQ	Pass
Diazinon	100	200	<LOQ	Pass	Propoxur	100	200	<LOQ	Pass
Dichlorvos	200	1000	<LOQ	Pass	Pyrethrins	200	1000	<LOQ	Pass
Dimethoate	100	200	<LOQ	Pass	Pyridaben	100	200	<LOQ	Pass
Ethoprophos	100	200	<LOQ	Pass	Spinosad	100	200	<LOQ	Pass
Etofenprox	200	400	<LOQ	Pass	Spiromesifen	100	200	<LOQ	Pass
Etoazole	100	200	<LOQ	Pass	Spirotetramat	100	200	<LOQ	Pass
Fenoxycarb	100	200	<LOQ	Pass	Spiroxamine	100	400	<LOQ	Pass
Fenpyroximate	200	400	<LOQ	Pass	Tebuconazole	100	400	<LOQ	Pass
Fipronil	100	400	<LOQ	Pass	Thiacloprid	100	200	<LOQ	Pass
Flonicamid	200	1000	<LOQ	Pass	Thiamethoxam	100	200	<LOQ	Pass
Fludioxonil	200	400	<LOQ	Pass	Trifloxystrobin	100	200	<LOQ	Pass
Hexythiazox	200	1000	<LOQ	Pass					

Method: Modified AOAC 2007.01, Triple Quad analysis; LOQ = Limit of Quantification; PPB = Parts Per Billion; ND = Not Detected; NR = Not Reported; ORELAP ID 4057. ChemHistory estimates its internal laboratory uncertainty acceptance limits to be 7% for sample pesticide results.

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Quality Control Data

Analytical Batch ID

1270 GCMS2

Assay Name

Required Solvents

QC Category Name

Sample Duplicate

QC Notes

None

Compound	Blank	LCS Result	Matrix Result	Matrix Duplicate Result	Matrix Spike Result	Expected LCS	Units	Acceptance Criteria
Xylenes	0	1401	0	0	1222	920.1905	PPM	60%-120%
1,4-Dioxane	0	474	0	0	478	500.6667	PPM	60%-120%
2-Butanol	0	500	0	0	483	496.4286	PPM	60%-120%
2-Ethoxy-Ethanol	0	432	0	0	492	452.6667	PPM	60%-120%
2-Methyl-Butane	0	539	0	0	494	530.5238	PPM	60%-120%
2-Methyl-Pentane	0	536	0	0	482	516.2857	PPM	60%-120%
2,2-Dimethyl-Butane	0	550	0	0	497	528.6667	PPM	60%-120%
2,3-Dimethyl-Butane	0	534	0	0	476	527.0476	PPM	60%-120%
3-Methyl-Pentane	0	537	0	0	484	520.4286	PPM	60%-120%
Acetone	0	535	0	0	512	502.8571	PPM	60%-120%
Acetonitrile	0	506	0	0	489	510.2381	PPM	60%-120%
Benzene	0	526	0	0	477.4	506.7762	PPM	60%-120%
Butane	0	509	0	0	459	538.1905	PPM	60%-120%
Cumene	0	455	0	0	366	462	PPM	60%-120%
Cyclohexane	0	547	0	0	486	516.3333	PPM	60%-120%
Dichloro-Methane	0	546	0	0	501	515.5238	PPM	60%-120%
Ethyl-Acetate	0	504	0	0	473	507.1429	PPM	60%-120%
Ethyl-Benzene	0	479	0	0	403	475.2381	PPM	60%-120%
Ethyl-Ether	0	543	0	0	498	523.381	PPM	60%-120%
Ethylene Glycol	0	281	0	0	721	336.1429	PPM	60%-120%
Ethylene Oxide	0	547	0	0	494	517.619	PPM	60%-120%
Heptane	0	546	0	0	482	519.3333	PPM	60%-120%
Isobutane	0	495	0	0	453	513.4286	PPM	60%-120%
Isopropyl-Acetate	0	519	0	0	484	509.9048	PPM	60%-120%
Isopropyl Alcohol	0	523	0	0	487	513.0476	PPM	60%-120%
Methanol	0	501	0	0	472	499.6667	PPM	60%-120%
Neopentane	0	525	0	0	476	527.7619	PPM	60%-120%
n-Hexane	0	544	0	0	486	519.1429	PPM	60%-120%
Pentane	0	534	0	0	484	528.3333	PPM	60%-120%
Propane	0	421	0	0	382	497.4286	PPM	60%-120%

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Quality Control Data

Analytical Batch ID

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Assay Name

Required Solvents

QC Category Name

Sample Duplicate

QC Notes

None

Compound	Blank	LCS Result	Matrix Result	Matrix Duplicate Result	Matrix Spike Result	Expected LCS	Units	Acceptance Criteria
Tetrahydrofuran	0	511	0	0	463	506.7619	PPM	60%-120%
Toluene	0	511	0	0	450	499.0476	PPM	60%-120%

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