



Confidence Analytics

Cannabis Analytical Chemistry Laboratory

WSLCB License # 0003 | 14797 NE 95th St, Redmond, WA 98052 | (206) 743-8843 | info@conflabs.com

Certified For: Cannabinoids | Microbiologicals | Mycotoxins | Foreign Matter
Pesticides | Heavy Metals | Terpenes | Residual Solvents | Moisture

I-502 Certificate of Analysis



Official Test Results for Laboratory Sample # WA-211031-999

Origination:
Confidence Analytics
Address:
14797 NE 95TH ST
Redmond, WA 98052
Sample Name:
Testable Kush
Type:
Flower

License #:
601338005
UBI #:
603324019

Approved By:
T. Sasaki, Ph.D., CSO
S. Stevens, LDR

Inventory #:
3d7e540a-d1b5-4643-84bd-4aa27f01701d
QA #:
bb8f4c54-7dc5-4554-b5a9-1c856eaeef15e

Date of Receipt:
2021-10-22
Date of Testing:
2021-10-24

Pass/Fail Summary

Foreign Matter + Seeds: *PASS*
Loss On Drying: *PASS*
Water Activity: *PASS*
Microbials: *PASS*

Mycotoxins: *PASS*
Residual Solvents: *PASS*
Pesticides: *PASS*
Heavy Metals: *PASS*

Shelf Stability

Loss on Drying: 8.3%
Water Activity: 0.56aw

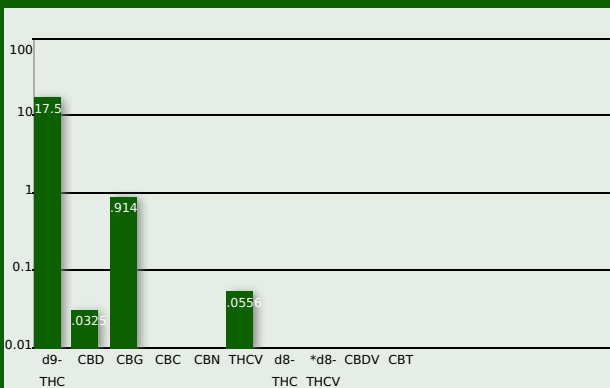
Cannabinoid Profile (units of measure are by weight) * not included in ISO scope.

LABEL INFO

d9-THC max 17.5 %, 175 mg/g 175 mg/1g	CBD max 0.0325 %, 0.325 mg/g 0.325 mg/1g
--	---

Total Canna. (raw sum): 20.8%, 208mg/g, 208mg/1g

Calculated with a default Unit Size of 1 gram.



ANALYTE	%	MG/G	MG/1G
d9-THCA	16.1 %	161 mg/g	161 mg/unit
d9-THC	3.42 %	34.2 mg/g	34.2 mg/unit
CBGA	0.906 %	9.06 mg/g	9.06 mg/unit
CBG	0.119 %	1.19 mg/g	1.19 mg/unit
CBT	0.0767 %	0.767 mg/g	0.767 mg/unit
THCVA	0.0536 %	0.536 mg/g	0.536 mg/unit
CBDA	0.0371 %	0.371 mg/g	0.371 mg/unit
CBC	0.0281 %	0.281 mg/g	0.281 mg/unit
CBN	0.0089 %	0.089 mg/g	0.089 mg/unit
THCV	0.0086 %	0.086 mg/g	0.086 mg/unit
CBD	ND	ND	ND
CBDVA	ND	ND	ND
d8-THC	ND	ND	ND
CBDV	ND	ND	ND

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THCmax (a.k.a. Total THC) = d9-THC + (THC-A * 0.877)
CBDmax (a.k.a. Total CBD) = CBD + (CBD-A * 0.877)

Total Cannabinoid is a raw sum of all measured cannabinoids.
In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax.
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Analytical Methods Used
Cannabinoids: HPLC-UV
Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®
Heavy Metals: ICP-MS
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Terpene Analysis

Top Three Most Abundant Terpenes

Limonene

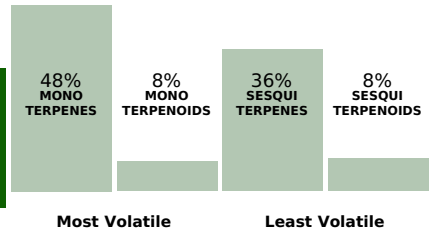
0.76%

Caryophyllene

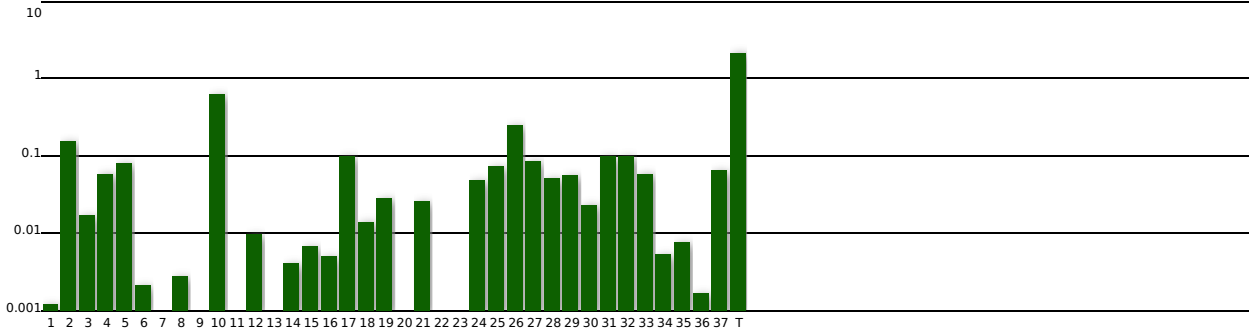
0.295%

a-Pinene

0.126%



Terpene Fingerprint (units in percent by weight)



#	Name	%	#	Name	%	#	Name	%	#	Name	%
1*	Thujene	0.00131	14	g-Terpinene	0.00413	26	Caryophyllene	0.295			
2	a-Pinene	0.126	15	Terpinolene	0.00685	27	Humulene	0.0889			
3*	Camphene	0.0171	16*	p-Cymenene	0.00522	28*	a-Bulnesene	0.0531			
4	Myrcene	0.0591	17	Linalool	0.104	29	cis-Nerolidol	0.0583			
5	b-Pinene	0.0846	18	Fenchone	0.0142	30*	b-Maaliene	0.0237			
6*	a-Phellandrene	0.00218	19	Fenchol	0.0287	31*	Selinadiene	0.115			
7*	Carene	0.000666	20*	trans-2-Pinanol	ND	32*	a-Maaliene	0.116			
8	a-Terpinene	0.00291	21	Terpineol	0.0265	33*	trans-Nerolidol	0.0591			
9	a-Ocimene	ND	22*	Citronellol	0.000612	34*	Guaial	0.00557			
10	Limonene	0.76	23	Geraniol	ND	35	CaryophylleneOxide	0.00811			
11	p-Cymene	ND	24*	trans-a-Bergamotene	0.05	36*	Cedrol	0.00173			
12	b-Ocimene	0.0102	25*	Farnesene	0.0746	37	Bisabolol	0.0676			
									T	Total	2.27

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Heavy Metals: ICP-MS

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QUANTITATIVE IMPURITIES REPORT

Concentrations of analytes used to determine pass/fail status of individual tests.

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ANALYTES

Analyte	Concentration (ppm)	Min. Reporting Limit (ppm)	Action Level (ppm)
Acetone	< MRL	50	5000
Benzene	< MRL	0.02	2
Butanes	170	20	5000
Chloroform	NA	NA	2
Cyclohexane	NA	NA	3880
Dichloromethane	< MRL	6	600
Ethanol	< MRL	500	NA
Ethyl Benzene	NA	NA	2170
Ethyl Acetate	< MRL	50	5000
Heptanes	< MRL	50	5000
Hexanes	< MRL	3	290
Methanol	< MRL	1500	3000
Pentanes	< MRL	50	5000
Propane	< MRL	20	5000
Propanes	< MRL	20	5000
Toluene	< MRL	50	890
Xylenes	< MRL	50	2170
iso-Butane	< MRL	20	5000
iso-Propanol	< MRL	500	5000
meta/para-Xylene	< MRL	50	2170
n-Butane	170	20	5000
n-Heptane	< MRL	50	5000
n-Hexane	< MRL	3	290
n-Pentane	< MRL	50	5000
ortho-Xylene	< MRL	50	2170

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MICROBIOLOGY REPORT

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MYCOTOXINS

Analyte	Concentration (ppb)	Min. Reporting Limit (ppb)	Action Level (ppb)
Aflatoxin B1	< MRL	5	5
Aflatoxin B2	< MRL	5	5
Aflatoxin G1	< MRL	5	5
Aflatoxin G2	< MRL	5	5
Aflatoxins (sum total)	< MRL	5	25

†Action Level is Sum of Aflatoxins

Analyte	Concentration (ppb)	Min. Reporting Limit (ppb)	Action Level (ppb)
Ochratoxin A	< MRL	10	20

MICROBIALS

Analyte	Concentration (CFU/g)	Min. Reporting (CFU/g)	Action Level (CFU/g)
BTGN	< MRL	500	10000
E Coli	< MRL		1
Salmonella	< MRL		1

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Terpenes: HS-GC-FID

Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS

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Chemical Residue Screen - Test Report (units in percent by weight)

Cannabis samples were homogenized and extracted using a custom protocol. Instrumental analysis was performed with UHPLC-MS/MS (tandem quadrupole). Target compounds were identified by matching to Certified Reference Materials. Ion-selective detection (multiple reaction monitoring, or MRM) was used to ensure that precursor and product ions of the correct masses co-eluted and were observed in ratios matching those for the reference materials. Dozens of compounds representing many different classes of fungicides, herbicides, and plant growth regulators were screened for. This document lists all analytes detected in the Chemical Residue Screen.

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(sum) Spinosads	NA	< MRL	0.1	0.2	Dimethoate	60-51-5	NA	NA	0.2
(sum) Permethrins	NA	< MRL	0.1	0.2	Ethoprophos	13194-48-4	NA	NA	0.2
Abamectin B1a	71751-41-2	NA	NA	0.5	Etofenprox	80844-07-1	NA	NA	0.4
Acephate	30560-19-1	NA	NA	0.4	Etoxazole	153233-91-1	NA	NA	0.2
Acetamiprid	135410-20-7	NA	NA	0.2	Fenoxycarb	72490-01-8	NA	NA	0.2
Aldicarb	116-06-3	NA	NA	0.4	Fenpyroximate	134098-61-6	NA	NA	0.4
Azoxystrobin	131860-33-8	NA	NA	0.2	Fipronil	120068-37-3	NA	NA	0.4
Bifenazate	149877-41-8	NA	NA	0.2	Flonicamid	158062-67-0	NA	NA	1
Bifenthrin	82657-04-3	NA	NA	0.2	Fludioxonil	131341-86-1	NA	NA	0.4
Boscalid	188425-85-6	NA	NA	0.4	Hexythiazox	78587-05-0	NA	NA	1
Carbaryl	63-25-2	NA	NA	0.2	Imazalil	35554-44-0	NA	NA	0.2
Carbofuran	1563-66-2	NA	NA	0.2	Imidacloprid	138261-41-3	NA	NA	0.4
Chlorantraniliprole	500008-45-7	NA	NA	0.2	Malathion	121-75-5	NA	NA	0.2
Chlormequat	7003-89-6	NA	NA	0.1	Metalaxyl	57837-19-1	NA	NA	0.2
Chlorpyrifos	2921-88-2	NA	NA	0.2	Methiocarb	2032-65-7	NA	NA	0.2
Clofentezine	74115-24-5	NA	NA	0.2	Methomyl	16752-77-5	NA	NA	0.4
Daminozide	1596-84-5	NA	NA	1	Myclobutanil	88671-89-0	NA	NA	0.2
Dichlorvos	62-73-7	NA	NA	0.1	Naled	300-76-5	NA	NA	0.5

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Oxamyl	23135-22-0	NA	NA	1	Uniconazole	83657-22-1	NA	NA	0.1
Paclotubrazol	76738-62-0	NA	NA	0.4	cis-Permethrin	52645-53-1	NA	NA	0.2
Phosmet	732-11-6	NA	NA	0.2	trans-Permethrin	52645-53-2	NA	NA	0.2
Piperonyl Butoxide	51-03-6	NA	NA	2					
Prallethrin	23031-36-9	NA	NA	0.2					
Propiconazole	60207-90-1	NA	NA	0.4					
Propoxur	114-26-1	NA	NA	0.2					
Pyrethrin I	8003-34-7	NA	NA	1					
Pyridaben	96489-71-3	NA	NA	0.2					
Spinosad A	168316-95-8	NA	NA	0.2					
Spinosad D	168316-95-9	NA	NA	0.2					
Spiromesifen	283594-90-1	NA	NA	0.2					
Spirotetramat	203313-25-1	NA	NA	0.2					
Spiroxamine	118134-30-8	NA	NA	0.4					
Tebuconazole	80443-41-0	NA	NA	0.4					
Thiacloprid	111988-49-9	NA	NA	0.2					
Thiamethoxam	153719-23-4	NA	NA	0.2					
Trifloxystrobin	141517-21-7	NA	NA	0.2					

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UBI #:

603324019

Inventory #:

3d7e540a-d1b5-4643-84bd-4aa27f01701d

QA #:

bb8f4c54-7dc5-4554-b5a9-1c856eaeef15e

Approved By:

T. Sasaki, Ph.D., CSO
S. Stevens, LDR

Date of Receipt:

2021-10-22

Date of Testing:

2021-10-24

HEAVY METALS REPORT

Heavy metals are tested via ICP-MS.

Concentrations of analytes used to determine pass/fail status of individual elements.

* Less than the lower limit of quantitation.

** Greater than the upper limit of quantification (>ULOQ), applies to instances when the analyte concentration in the sample is greater than we can accurately measure without additional testing. The ULOQ for all metals is 2.5 ug/g

HEAVY METALS REPORT

Analyte	Concentration (ppm)	Min. Reporting Limit (ppm)	Action Level* (ppm)
Arsenic (As)	< MRL	1	2
Cadmium (Cd)	< MRL	1	0.82
Lead (Pb)	< MRL	1	1.2
Mercury (Hg)	< MRL	1	0.4

These testing results are certified by scientific examination of a single sample provided by the Producer/Processor. Confidence Analytics and its agents did not observe or participate in the sample selection process, and cannot confirm the authenticity of the sample or its representativeness of the associated lot/batch. The sample, as received, was homogenized before subsamples were drawn for specific analyses. This report is supplemental to any other reports with the same analytic sample number. Pass/Fail criteria are defined in WAC 314-55-102.

THCmax (a.k.a. Total THC) = d9-THC + (THC-A * 0.877)

CBDmax (a.k.a. Total CBD) = CBD + (CBD-A * 0.877)

Total Cannabinoid is a raw sum of all measured cannabinoids.

In Traceability, Total Cannabinoid is a sum of THCmax and CBDmax.

Figures may differ slightly from traceability due to rounding.

ND = Not Detected

NE = Not Examined

MRL = Reporting Limit

LOD = Detection Limit

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Analytical Methods Used

Cannabinoids: HPLC-UV

Microbial: Plate Counting

Terpenes: HS-GC-FID

Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS

Water Activity: HYGROMER®

Heavy Metals: ICP-MS

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