Confidence Analytics

Cannabis Analytics and Research Specialists

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

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

Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 7111625

Origination: Apothecary Rx
Strain: Galactic Haze CBD
Type: Flower
Address: 4920 Atlanta Highway Alpharetta, GA 30004

UBI #: N/A
License #: N/A
Harvest Date: Unknown
Date of Receipt: 2020-11-20
Date of Testing: 2020-11-22

Inventory #: 20201120RB003
QA #: 20201120RB003
Approved By: T. Sasaki, Ph.D., CSO
S. Stevens, LDR

PASS/FAIL

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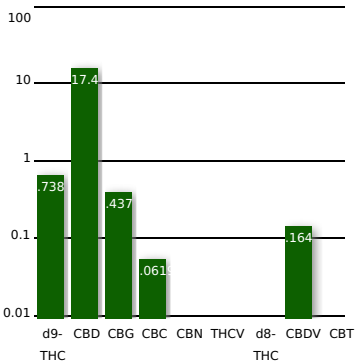
Shelf Stability

Loss-On-Drying NE
Water Activity: NE

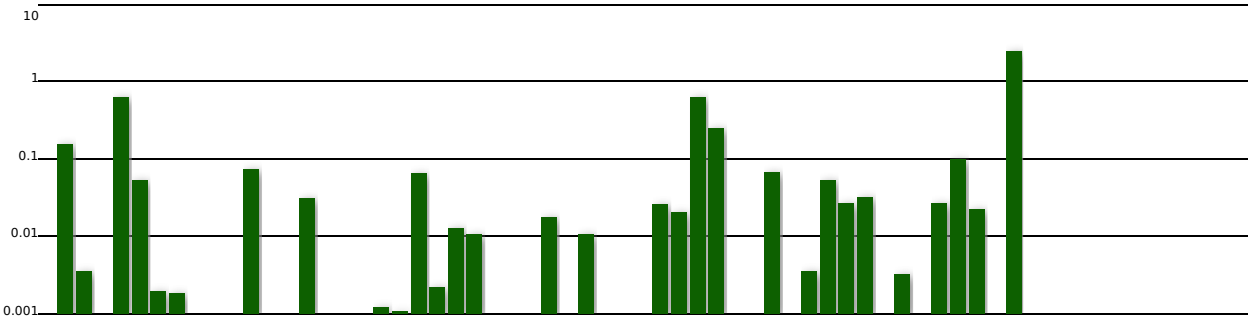
Cannabinoid Profile (units of measure are by weight)

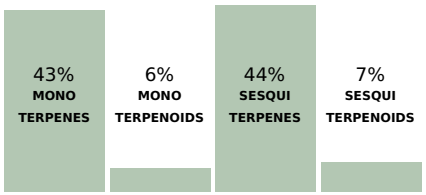
THC max 0.738% 7.38mg/g			CBD max 17.4% 174mg/g		
	%	mg/g		%	mg/g
THCA	0.764	7.64	d9-THC	0.0678	0.678
CBDA	19.4	194	CBD	0.361	3.61
CBGA	0.417	4.17	CBG	0.0708	0.708
CBC	0.0619	0.619	CBN	*ND*	*ND*
THCVA	*ND*	*ND*	THCV	*ND*	*ND*
CBDVA	0.164	1.64	CBDV	*ND*	*ND*
CBT	*ND*	*ND*	d8-THC	*ND*	*ND*

Total Cannabinoids (raw sum): 21.3%, 213mg/g



Terpene Fingerprint (units in percent by weight)





ref#	Name	%	ref#	Name	%	ref#	Name	%	ref#	Name	%
5	Myrcene	0.65	45*	a-Maaliene	0.033	24*	trans-2-Pinanol	0.011	11	a-Ocimene	0.00079
36	Caryophyllene	0.57	15	b-Ocimene	0.032	3	Camphene	0.0038	1*	Thujene	0.00054
37	Humulene	0.22	49*	Eudesmol	0.028	42	cis-Nerolidol	0.0037	18	g-Terpinene	0.00048
2	a-Pinene	0.14	44*	Selinadiene	0.027	47*	Guaiol	0.0033	10	a-Terpinene	0.0003
50	Bisabolol	0.1	34*	trans-a-Bergamotene	0.026	22	Fenchone	0.0023	**T**	**Total**	**2.3**
12	Limonene	0.076	51	trans-Nerolidol	0.023	7	a-Phellandrene	0.002			
40*	a-Bulnesene	0.07	35	Farnesene	0.021	8	Carene	0.0019			
21	Linalool	0.067	28	Terpineol	0.018	19	Terpinolene	0.0013			
6	b-Pinene	0.055	23	Fenchol	0.013	20*	p-Cymenene	0.0011			
43*	b-Maaliene	0.055	30*	Geraniol	0.011	17	Eucalyptol	0.00082			

*Semi-quantitative results.

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
Unk = Unknown

2020-11-22 12:32

Analytical Methods Used
Cannabinoids: HPLC-UV
Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®

ilac-MRA ACCREDITED CERT #5382.01

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Research and Development Certificate of Analysis

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Type: Flower
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UBI #: N/A
License #: N/A
Harvest Date: Unknown
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Date of Testing: 2020-11-22

Inventory #: 20201120RB003
QA #: 20201120RB003

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

Quantitative Impurities Report

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

* Greater than lower limit of detection (>LLOD) and less than lower limit of quantification (<LLOQ) . Applies to instances when the analyte has been detected and positively identified, but the concentration is lower than we can accurately quantify. Literally: signal to noise ratio greater than 3 and signal less than calibration. LLOD is ~0.001 ppm for most analytes, LLOQ is ~0.01 for most analytes. Number shown is lower end of calibration (LLOQ).

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2020-11-22 12:32

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Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 8012382

Origination: Apothecary Rx
Strain: Galactic Haze
Type: Flower
Address: 4920 Atlanta Highway Alpharetta, GA 30004

UBI #:
License #:
Harvest Date: Unknown
Date of Receipt: 2021-01-23
Date of Testing: 2021-01-23

Inventory #: 210123BS001
QA #: 210123BS001

Approved By: N. Mosely, CEO
S. Stevens, LDR

PASS/FAIL

Foreign Matter+Seeds *PASS*
LossOnDrying(Moisture) NE
Water Activity NE
Microbiological NE
Mycotoxins *PASS*
Pesticides *PASS*

Shelf Stability

Loss-On-Drying NE
Water Activity: NE

Chemical Profile (units in percent by weight)

CANNABINOIDS NOT EXAMINED

CANNABINOIDS NOT EXAMINED

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Cannabinoids: HPLC-UV
Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®

ACCREDITED CERT #53821.01

Confidence Analytics

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Research and Development Certificate of Analysis

Official Test Results for Laboratory Sample # 8012382

Origination: Apothecary Rx
Strain: Galactic Haze
Type: Flower
Address: 4920 Atlanta Highway Alpharetta, GA 30004

UBI #:
License #:
Harvest Date: Unknown
Date of Receipt: 2021-01-23
Date of Testing: 2021-01-23

Inventory #: 210123BS001
QA #: 210123BS001

Approved By: N. Mosely, CEO
S. Stevens, LDR

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Findings

ALKANES NOT EXAMINED

SOLVENT IMPURITIES NOT EXAMINED

ALCOHOLS NOT EXAMINED

Mycotoxins

Analyte	Concentration	Action Level*
Aflatoxin B1	< LLOQ	20 ppb
Aflatoxin B2	< LLOQ	20 ppb
Aflatoxin G1	< LLOQ	20 ppb
Aflatoxin G2	< LLOQ	20 ppb
Ochratoxin A	< LLOQ	20 ppb

Action Level is Sum of Aflatoxins

MICROBIOLOGICALS NOT EXAMINED

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Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®

ACCREDITED CERT #53820.01

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Chemical Residue Screen

Official Test Results for Laboratory Sample # 8012382

Origination: Apothecary Rx
Strain: Galactic Haze
Type: Flower
Address: 4920 Atlanta Highway Alpharetta, GA 30004

UBI #:
License #:
Harvest Date: Unknown
Date of Receipt: 2021-01-23
Date of Testing: 2021-01-23

Inventory #: 210123BS001
QA #: 210123BS001

Approved By: N. Mosely, CEO
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Chemical Residue Screen - Test Report

PESTICIDES TESTED WITH CONFIDENCE

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.

Findings

Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level
(sum) Spinosads	NA	*NOT DETECTED*	***PASS***	0.20 ppm
(sum) Permethrins	NA	*NOT DETECTED*	***PASS***	0.20 ppm
Carbaryl	63-25-2	0.062 ppm	***PASS***	0.20 ppm
Abamectin B1a	71751-41-2	*NOT DETECTED*	***PASS***	0.50 ppm
Acephate	30560-19-1	*NOT DETECTED*	***PASS***	0.40 ppm
Acetamiprid	135410-20-7	*NOT DETECTED*	***PASS***	0.20 ppm
Aldicarb	116-06-3	*NOT DETECTED*	***PASS***	0.40 ppm
Azoxystrobin	131860-33-8	*NOT DETECTED*	***PASS***	0.20 ppm
Bifenazate	149877-41-8	*NOT DETECTED*	***PASS***	0.20 ppm
Bifenthrin	82657-04-3	*NOT DETECTED*	***PASS***	0.20 ppm
Boscalid	188425-85-6	*NOT DETECTED*	***PASS***	0.40 ppm
Carbofuran	1563-66-2	*NOT DETECTED*	***PASS***	0.20 ppm
Chlorantraniliprole	500008-45-7	*NOT DETECTED*	***PASS***	0.20 ppm
Chlormequat	7003-89-6	*NOT DETECTED*	***PASS***	0.10 ppm
Chlorpyrifos	2921-88-2	*NOT DETECTED*	***PASS***	0.20 ppm
cis-Permethrin	52645-53-1	*NOT DETECTED*	***PASS***	0.20 ppm
Clofentezine	74115-24-5	*NOT DETECTED*	***PASS***	0.20 ppm
Daminozide	1596-84-5	*NOT DETECTED*	***PASS***	1.00 ppm

Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level
Diazinon	333-41-5	*NOT DETECTED*	***PASS***	0.20 ppm
Dichlorvos	62-73-7	*NOT DETECTED*	***PASS***	0.10 ppm
Dimethoate	60-51-5	*NOT DETECTED*	***PASS***	0.20 ppm
Ethoprophos	13194-48-4	*NOT DETECTED*	***PASS***	0.20 ppm
Etofenprox	80844-07-1	*NOT DETECTED*	***PASS***	0.40 ppm
Etoxazole	153233-91-1	*NOT DETECTED*	***PASS***	0.20 ppm
Fenoxycarb	72490-01-8	*NOT DETECTED*	***PASS***	0.20 ppm
Fenpyroximate	134098-61-6	*NOT DETECTED*	***PASS***	0.40 ppm
Fipronil	120068-37-3	*NOT DETECTED*	***PASS***	0.40 ppm
Flonicamid	158062-67-0	*NOT DETECTED*	***PASS***	1.00 ppm
Fludioxonil	131341-86-1	*NOT DETECTED*	***PASS***	0.40 ppm
Hexythiazox	78587-05-0	*NOT DETECTED*	***PASS***	1.00 ppm
Imazalil	35554-44-0	*NOT DETECTED*	***PASS***	0.20 ppm
Imidacloprid	138261-41-3	*NOT DETECTED*	***PASS***	0.40 ppm
Kresoxim-methyl	143390-89-0	*NOT DETECTED*	***PASS***	0.40 ppm
Malathion	121-75-5	*NOT DETECTED*	***PASS***	0.20 ppm
Metalaxyl	57837-19-1	*NOT DETECTED*	***PASS***	0.20 ppm
Methiocarb	2032-65-7	*NOT DETECTED*	***PASS***	0.20 ppm

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Microbial: Plate Counting
Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®

ilac-MRA ACCREDITED CERT #5382.01

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Type: Flower
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UBI #:
License #:
Harvest Date: Unknown
Date of Receipt: 2021-01-23
Date of Testing: 2021-01-23

Inventory #: 210123BS001
QA #: 210123BS001

Approved By: N. Mosely, CEO
S. Stevens, LDR

Chemical Residue Screen - Test Report

PESTICIDES TESTED WITH CONFIDENCE

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Findings

Analyte Name	CAS #	Amount In Sample	PASS/FAIL	WA State Action Level
Methomyl	16752-77-5	*NOT DETECTED*	***PASS***	0.40 ppm
Myclobutanil	88671-89-0	*NOT DETECTED*	***PASS***	0.20 ppm
Naled	300-76-5	*NOT DETECTED*	***PASS***	0.50 ppm
Oxamyl	23135-22-0	*NOT DETECTED*	***PASS***	1.00 ppm
Paclobutrazol	76738-62-0	*NOT DETECTED*	***PASS***	0.40 ppm
Phosemet (Imidan)	732-11-6	*NOT DETECTED*	***PASS***	0.20 ppm
Piperonyl Butoxide	51-03-6	*NOT DETECTED*	***NA***	*NA*
Prallethrin	23031-36-9	*NOT DETECTED*	***PASS***	0.20 ppm
Propiconazole	60207-90-1	*NOT DETECTED*	***PASS***	0.40 ppm
Propoxur	114-26-1	*NOT DETECTED*	***PASS***	0.20 ppm
Pyrethrin I	8003-34-7	*NOT DETECTED*	***NA***	*NA*
Pyridaben	96489-71-3	*NOT DETECTED*	***PASS***	0.20 ppm
Spinosad A	168316-95-8	*NOT DETECTED*	***PASS***	0.20 ppm
Spinosad D	168316-95-9	*NOT DETECTED*	***PASS***	0.20 ppm
Spiromesifen	283594-90-1	*NOT DETECTED*	***PASS***	0.20 ppm
Spirotetramat	203313-25-1	*NOT DETECTED*	***PASS***	0.20 ppm
Spiroxamine	118134-30-8	*NOT DETECTED*	***PASS***	0.40 ppm
Tebuconazole	80443-41-0	*NOT DETECTED*	***PASS***	0.40 ppm
Thiacloprid	111988-49-9	*NOT DETECTED*	***PASS***	0.20 ppm
Thiamethoxam	153719-23-4	*NOT DETECTED*	***PASS***	0.20 ppm
trans-Permethrin	52645-53-2	*NOT DETECTED*	***PASS***	0.20 ppm
Trifloxystrobin	141517-21-7	*NOT DETECTED*	***PASS***	0.20 ppm
Uniconazole	83657-22-1	*NOT DETECTED*	***PASS***	0.10 ppm

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Terpenes: HS-GC-FID
Solvents: HS-GC-MS

Trace Residue: UHPLC-MSMS
Water Activity: HYGROMER®

ACCREDITED CERT #53382.01

Medicine Creek Analytics Certificate of Analysis

3700 Pacific HWY E, Ste 400, Fife, WA 98424
WA State I502 Certification 0018 | ISO 17025 91428 | Accreditation #91428

Sample: **8012382**

#COC/INVOICE: **4082**

Laboratory ID **210124-006**	Matrix **Flower**	Batch ID	Inventory ID
Tested for **Confidence Analytics**	Address **14797 NE 95th St Redmond, WA 98052**		License **3**
Received **01/25/2021**			Reported **01/28/2021**

Analyses executed **MET**

MET - Heavy Metals Detection Analysis

Analyzed **Jan 28, 2021** | Instrument **ICP-MS**

Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g	Analyte	LOD ug/5g	LOQ ug/5g	Result ug/5g	WRL ug/5g
Arsenic (As)	0.02	0.06	ND	10	Cadmium (Cd)	0.01	0.04	ND	4.1
Lead (Pb)	0.01	0.02	ND	6	Mercury (Hg)	0.02	0.07	ND	2

NR Not Reported
ND Not Detected
<LOD Below Lod
NT Not Tested
LOD Limit of Detection
LOQ Limit of Quantification
DET Detected below quantitation limit
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count
mg/g Milligrams per gram
ppm Parts per million
WRL Washington Regulatory Limit

Authorized Signature

Kyle Shelton

Kyle Shelton
Lab Manager
01/28/2021