atlas hemp
oregon

Growing Around the World

At Atlas Hemp Oregon, our relationships span the globe. We have well established partnerships spanning the United States from Washington State, Oregon, Colorado, California, Oklahoma, and Kentucky, as well as, international partners in the Organization for Economic Cooperation and Development (OECD) including Canada, Spain, and the Czech Republic. Some of these farms have been cultivating hemp for five generations.

Through our partnerships we are cultivating a system of support through knowledge sharing, education in Good Manufacturing Practices (GMP), agricultural resources, intergovernmental regulations, genetic breeding, and product development. It is our goal to work with our partners to ensure the success of hemp farmers, growers, and researchers to cultivate healthy, hearty, and diverse hemp genetics that can thrive in climates all over the world.

C2

LINEAGE: CHERRY WINE X CHERRY WINE

This F1 feminized varietal originates from Cherry wine that was back crossed with a high performing Cherry wine phenotype to improve overall CBD yield, stability and terpene profile. Cherry wine itself originated from a cross of "The Wife" and "Charlotte's Cherries". This work horse varietal is known for solid CBD generation in multiple climates while staying THC compliant during a regular growth season. The bouquet has fruity overtones with a hint of musk. The plant grows 5 to 6 feet tall with strong apical dominance and an abundance of secondary branches. The plant exhibits good disease resistance and performs well on lower nutrient/ irrigation regimes. Socati C2 does especially well in high sun environments and is an early finisher.

C2
LINEAGE: CHERRY WINE X CHERRY WINE

FAST FACTS

- 80-90% GERMINATION RATE
- FEMINIZED
- INSECT AND FUNGUS RESISTANT
- THRIFTY GROWTH HABITAT

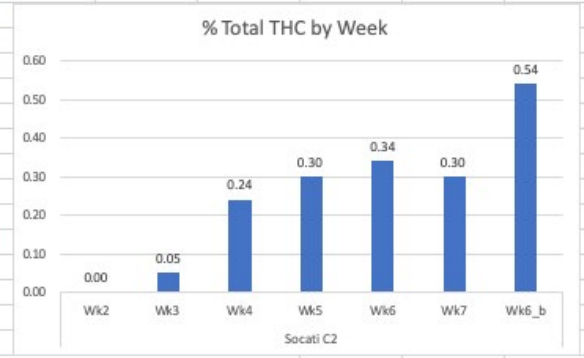
PARENTAL LINE

- 10-12% CBD
- CBN >1%
- CBG >1%

SUM OF TOTAL THC & CBD BY WEEK

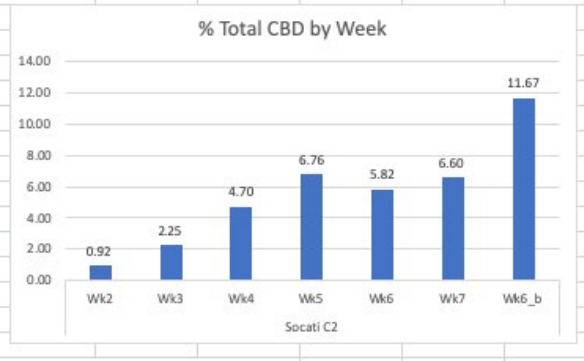
PARENTAL LINE: CHERRY WINE X CHERRY WINE

Row Labels	Sum of Total THC (% wt)
Socati C2	1.77
Wk2	0.00
Wk3	0.05
Wk4	0.24
Wk5	0.30
Wk6	0.34
Wk7	0.30
Wk6_b	0.54
Grand Total	1.77



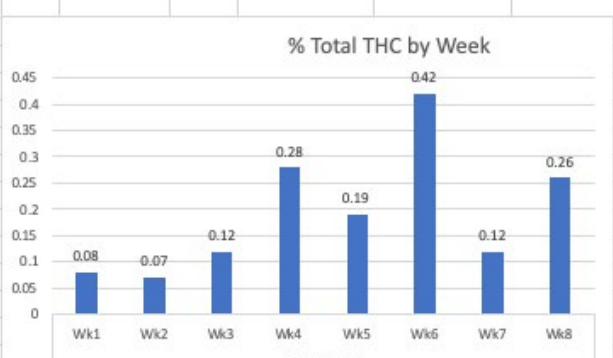
* Wk6_b sampled from primary flower

Row Labels	Sum of Total CBD (% wt)
Socati C2	38.72
Wk2	0.92
Wk3	2.25
Wk4	4.70
Wk5	6.76
Wk6	5.82
Wk7	6.60
Wk6_b	11.67
Grand Total	38.72

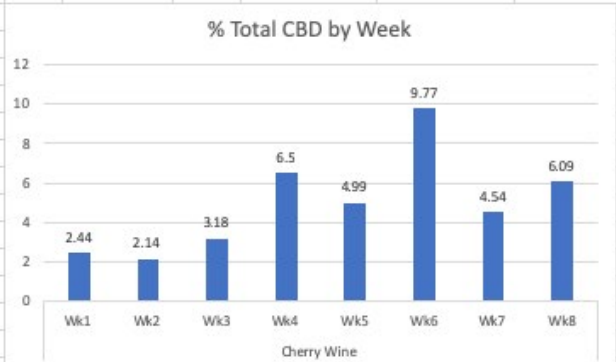


* Wk6_b sampled from primary flower

Row Labels	Sum of Total THC (% wt)
Cherry Wine	1.54
Wk1	0.08
Wk2	0.07
Wk3	0.12
Wk4	0.28
Wk5	0.19
Wk6	0.42
Wk7	0.12
Wk8	0.26
Grand Total	1.54



Row Labels	Sum of Total CBD (% wt)
Cherry Wine	39.65
Wk1	2.44
Wk2	2.14
Wk3	3.18
Wk4	6.5
Wk5	4.99
Wk6	9.77
Wk7	4.54
Wk8	6.09
Grand Total	39.65



C2

PARENTAL LINE: CHERRY WINE X CHERRY WINE

EVIO LABS

Certificate of Analysis

EVIO Labs Medford (pka Kenevir Research)
540 East Vilas Road, Suite F, Central Point, OR 97502
541-668-7444 / OLCC 010-1001626980D / www.EVIOLabs.com

Cherry Wine

Home Grown Hemp
Info Only

Confident Cannabis ID: 1811KR0026.2516
Sample ID: M180858-02
Matrix: Hemp
METRC Batch #:
Sampling Method/SOP: SOP.T.20.010
Date Sampled: 11/06/18 09:00
Date Accepted: 11/06/18
Results Valid Until: 11/06/19
Harvest/Process Lot ID:

Batch ID:
Batch Size:
Unit for Sale:
Harvest/Production Date:

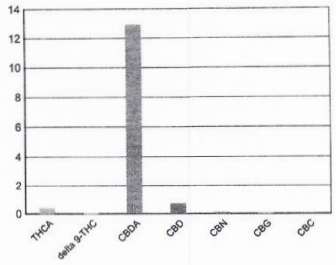
Cannabinoid Analysis

FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Date/Time Extracted: 11/07/18 10:33
Date/Time Analyzed: 11/07/18 20:17
Analysis Method/SOP: SOP.T.40.020

Cannabinoids	LOQ(%)	mg/g	% weight
Total THC ((THCA*0.877)+Δ9THC)		4.47	0.447
Total CBD ((CBDA*0.877)+CBD)		120	12.0
THCA	0.0500	4.02	0.402
delta 9-THC	0.0500	0.946	0.0946
delta 8-THC	0.0500	< LOQ	< LOQ
CBDA	0.0500	129	12.9
CBD	0.0500	7.21	0.721
CBN	0.0500	1.12	0.112
CBG	0.0500	1.1	0.110
CBC	0.0500	< LOQ	< LOQ
Sum of tested Cannabinoids	0.0500	127	12.7

Cannabinoids Profile



"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw; Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.

Ian Riversong
Laboratory Director - 11/9/2018

Page 1 of 2

This report shall not be reproduced, unless in its entirety, without written approval from EVIO Labs, Inc. Test results are confidential unless explicitly waived otherwise. All QC samples meet acceptance criteria of the method; data available upon request. The results relate only to the material or product analyzed for the sample included on this report. Results valid no more than 1 year from test date.

C2

PARENTAL LINE: CHERRY WINE X CHERRY WINE

OSU Oregon State University

Oregon State University Seed Laboratory

3291 SW Campus Way, Corvallis, Oregon 97331
(Member of the Association of Official Seed Analysts)
(Accredited by the International Seed Testing Association)

Phone: (541) 737-4464
Fax: (541) 737-2126
http://seedlab.oregonstate.edu

Report of Seed Analysis

NAMES AND ADDRESSES:
Atlas Hemp Oregon
32918 S ORCHARD LN
WOODBURN OR 97071

DATE RECEIVED	DATE COMPLETED	TEST NO
08-19-2019	09-06-2019	273384

SENDERS INFORMATION*

KIND: **Industrial hemp**
VARIETY: ***Cherry Wine***
GENUS/SPECIES: **Cannabis sativa**
LOT NUMBER: **GH#4_2019_001**
SIZE OF LOT: **Not Stated**
FIELD NUMBER: **Not Stated**
SAMPLE TYPE: **Commercial**
OTHER INFORMATION: **None**

*The information provided here is that of the sender and not of the laboratory.

PURITY ANALYSIS

(**50.66** GRAMS ANALYZED)

PURE SEED COMPONENT(S):

Industrial hemp **99.94 %**
Cannabis sativa

OTHER CROP SEED **0.00** %
INERT MATTER **0.06** %
WEED SEED (incl. noxious) **0.00** %

VIABILITY ANALYSIS (Date completed: 09-06-2019)

Germination %	Dormant %	Hard Seed %	Total Viable %	No. Seeds (Germ)	Days Tested	TEST FLUOR %		TZ %
91	X	X	91	400	7	X		X

COMMENTS: **Not applicable**
7 Day Pre-chill.

OTHER CROP SEED:

None Found

All States and Federal NOXIOUS WEED SEEDS **501.8 GMS. ANALYZED**
(Except Hawaii, Undesirable Grass Seeds, Orobanche spp., & Striga spp.)

None Found

INERT MATTER: **Stems, chaff, broken seeds.**

WEED SEED:

None Found

OTHER DETERMINATIONS: **Not applicable**

TEST CODES AND FEES: **cw/d-$76.00 p-$49.00 g-$43.00**

RULES FOLLOWED OTHER THAN AOSA:

SIGNATURE

522185

The purity and germination test results reported on this form have been carried out in accordance with AOSA rules unless otherwise specified. Test results reflect the condition of the submitted sample and may not reflect the condition of the seed lot from which the sample was taken.

C2

SEX TEST: CHERRY WINE X CHERRY WINE

	Harvest Lot ID:	GH#4_2019_001									
	Cultivar Name:	Socati C2									
	Female:	Cherry Wine	Clone								
	Male:	Cherry Wine	STS CLONE								
	Fem Test Date	7/31/19									
	Fem Rate	100%									
	Well	Sex Result									
1	D-AAASI-A1	female		31	D-AAASI-G4	female		61	D-AAASI-E8	female
2	D-AAASI-B1	female		32	D-AAASI-H4	female		62	D-AAASI-F8	female
3	D-AAASI-C1	female		33	D-AAASI-A5	female		63	D-AAASI-G8	female
4	D-AAASI-D1	female		34	D-AAASI-B5	female		64	D-AAASI-H8	female
5	D-AAASI-E1	female		35	D-AAASI-C5	female		65	D-AAASI-A9	female
6	D-AAASI-F1	female		36	D-AAASI-D5	female		66	D-AAASI-B9	female
7	D-AAASI-G1	female		37	D-AAASI-E5	female		67	D-AAASI-C9	female
8	D-AAASI-H1	female		38	D-AAASI-F5	female		68	D-AAASI-D9	female
9	D-AAASI-A2	female		39	D-AAASI-G5	female		69	D-AAASI-E9	female
10	D-AAASI-B2	female		40	D-AAASI-H5	female		70	D-AAASI-F9	female
11	D-AAASI-C2	female		41	D-AAASI-A6	female		71	D-AAASI-G9	female
12	D-AAASI-D2	female		42	D-AAASI-B6	female		72	D-AAASI-H9	female
13	D-AAASI-E2	female		43	D-AAASI-C6	female		73	D-AAASI-A10	female
14	D-AAASI-F2	female		44	D-AAASI-D6	female		74	D-AAASI-B10	female
15	D-AAASI-G2	female		45	D-AAASI-E6	female		75	D-AAASI-C10	female
16	D-AAASI-H2	female		46	D-AAASI-F6	female		76	D-AAASI-D10	female
17	D-AAASI-A3	female		47	D-AAASI-G6	female		77	D-AAASI-E10	female
18	D-AAASI-B3	female		48	D-AAASI-H6	female		78	D-AAASI-F10	female
19	D-AAASI-C3	female		49	D-AAASI-A7	female		79	D-AAASI-G10	female
20	D-AAASI-D3	female		50	D-AAASI-B7	female		80	D-AAASI-H10	female
21	D-AAASI-E3	female		51	D-AAASI-C7	female		81	D-AAASI-A11	female
22	D-AAASI-F3	female		52	D-AAASI-D7	female		82	D-AAASI-B11	female
23	D-AAASI-G3	female		53	D-AAASI-E7	female		83	D-AAASI-C11	female
24	D-AAASI-H3	female		54	D-AAASI-F7	female		84	D-AAASI-D11	female
25	D-AAASI-A4	female		55	D-AAASI-G7	female		85	D-AAASI-E11	female
26	D-AAASI-B4	female		56	D-AAASI-H7	female		86	D-AAASI-F11	female
27	D-AAASI-C4	female		57	D-AAASI-A8	female		87	D-AAASI-G11	female
28	D-AAASI-D4	female		58	D-AAASI-B8	female		88	D-AAASI-H11	female
29	D-AAASI-E4	female		59	D-AAASI-C8	female				
30	D-AAASI-F4	female		60	D-AAASI-D8	female				

C2

TESTING RESULTS - WEEK 1 : CHERRY WINE X CHERRY WINE

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Analytical Results

SC Laboratories Oregon LLC
ORELAP# 4133/OLCC# 1004748743D
15865 SW 74th Ave Suite 110, Tigard, OR
503-272-8830
www.sclabs.com

Sample Name: **CW-WK1**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

Laboratory ID: 19D0142-02
Matrix: Useable Marijuana
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
Strain: CW-WK1
License: AG-R1056020IHH
Date Sampled: 04/29/19 00:00
Date Accepted: 04/29/19

Potency Analysis

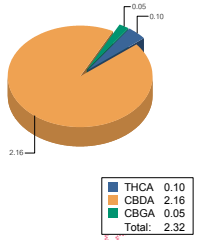
Date Extracted: 05/01/19
Date Analyzed: 05/01/19

Analysis Method/SOP: Potency

*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.09	0.9	0.03
Total CBD ((CBDA*0.877)+CBD)	1.90	19	0.03
d9-THC (d9-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.10	1	0.06
CBD (Cannabidiol)*	< LOQ	< LOQ	0.03
CBDA (Cannabidiolic Acid)*	2.16	21.6	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.05	0.5	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.04
CBC (Cannabichromene)*	< LOQ	< LOQ	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	2.32	23.2	0.03

Cannabinoids Profile



<LOQ - Results below the Limit of Quantitation - Compound not detected

R & D Only - Not For Compliance

Breeanna Hamilton For Brian Weigel
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Seed Data

C2

TESTING RESULTS - WEEK 2 : CHERRY WINE X CHERRY WINE

Atlas Agriscience LLC
Certificate of Analysis

Powered by Confident Cannabis
1 of 1

Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1910ATLS0007.0012
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry wine X Cherry wine
Batch#: GH4_2019_003; Batch Size: g
Sample Received: 10/17/2019; Report Created: 10/18/2019; Expires: 11/17/2019

Cherry Wine_Wk2_PO0
Plant, Flower - Cured, Greenhouse

ND	0.92%	0.92%	1.01%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	ND	ND	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.08	<LOQ	<LOQ	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.04	ND	ND
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.10	ND	ND
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.03	0.3
CBDa	0.01	0.03	0.47	4.7	CBC	0.01	0.05	<LOQ	<LOQ
CBD	0.03	0.09	0.51	5.1	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	<LOQ	<LOQ	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	ND	ND	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

1.01%	Not Tested NT	Not Tested	Not Tested	Not Tested
Total Cannabinoids	Terpenes	Pesticides	Residual Solvents	Microbials
Not Tested NT	**Not Tested**	**Not Tested**	**Not Tested**	**Not Tested**
Moisture	Water Activity	Stems	Foreign Matter	Mycotoxins

18251 Cascade Avenue S. Ste A
Tukwila, WA
(253) 277-3563
www.confidentcannabis.com
Lic# 5531.01

James Roe
Scientific Director

Ben Hanson
Director, QA/QC

Confident Cannabis
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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com

LOQ = Limit of Quantitation; ND = Not Detected; NR = Not Reported. This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience.

Seed Data

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Analytical Results
SC Laboratories Oregon LLC
ORELAP# 4133/OLCC# 1004748743D
15865 SW 74th Ave Suite 110, Tigard, OR
503-272-8830
www.sclabs.com

Sample Name: **CW-WK2-P02**
Tested for: **Atlas Hemp Oregon**

Report cannot be used for OHA/OLCC compliance.

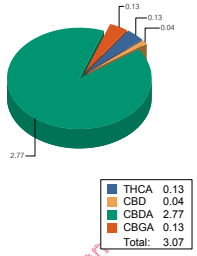
Laboratory ID: 19E0048-02
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 05/06/19 00:00
Date Accepted: 05/06/19

Potency Analysis

Date Extracted: 05/10/19
Date Analyzed: 05/10/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.11	1.1	0.03
Total CBD ((CBDA*0.877)+CBD)	2.47	24.7	0.03
d9-THC (d9-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.13	1.3	0.06
CBD (Cannabidiol)*	0.04	0.4	0.03
CBDA (Cannabidiolic Acid)*	2.77	27.7	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.13	1.3	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	< LOQ	< LOQ	0.04
CBC (Cannabichromene)*	< LOQ	< LOQ	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	3.07	30.7	0.03

<LOQ - Results below the Limit of Quantitation - Compound not detected



R & D Only - Not For Compliance

Brian Weigel
Lab Director

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Parental Data

C2

TESTING RESULTS - WEEK 3 : CHERRY WINE X CHERRY WINE

Atlas Agriscience LLC
Certificate of Analysis

Powered by Confident Cannabis
1 of 1

Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1910ATLS0009.0021
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry wine X Cherry wine
Batch#: GH4_2019_003; Batch Size: g
Sample Received: 10/23/2019; Report Created: 10/24/2019; Expires: 11/23/2019

Cherry Wine_WK3_Po0
Plant, Flower - Cured, Greenhouse

0.05%	2.25%	2.30%	2.80%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	0.06	0.6	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.08	<LOQ	<LOQ	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.04	0.07	0.7
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.10	ND	ND
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.08	0.8
CBDa	0.01	0.03	1.88	18.8	CBC	0.01	0.05	0.05	0.5
CBD	0.03	0.09	0.60	6.0	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	0.06	0.6	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	ND	ND	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

2.80% Total Cannabinoids	Not Tested NT Terpenes	Not Tested Pesticides	Not Tested Residual Solvents	Not Tested Microbials
Not Tested NT Moisture	Not Tested Water Activity	Not Tested Stems	Not Tested Foreign Matter	Not Tested Mycotoxins

18251 Cascade Avenue S. Ste A
Tukwila, WA
(253) 277-3563
www.confidentcannabis.com
Lic# 5531.01

James Roe
Scientific Director

Ben Hanson
Director, QA/QC

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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com

LOQ = Limit of Quantitation; ND = Not Detected; NR = Not Reported. This product has been tested by Atlas Agriscience using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Atlas Agriscience makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Atlas Agriscience.

Seed Data

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Analytical Results
SC Laboratories Oregon LLC
ORELAP# 4133/OLCC# 1004748743D
15865 SW 74th Ave Suite 110, Tigard, OR
503-272-8830
www.sclabs.com

Sample Name: **CWWK3PO2**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

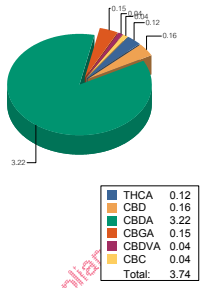
Laboratory ID: 19E0071-02
Matrix: Useable Marijuana
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
Strain: NA
License: AG-R1056020IHH
Date Sampled: 05/13/19 00:00
Date Accepted: 05/13/19

Potency Analysis

Date Extracted: 05/16/19
Date Analyzed: 05/16/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.11	1.1	0.03
Total CBD ((CBDA*0.877)+CBD)	2.99	29.9	0.03
d9-THC (d9-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.12	1.2	0.06
CBD (Cannabidiol)*	0.16	1.6	0.03
CBDA (Cannabidiolic Acid)*	3.22	32.2	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.15	1.5	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	0.04	0.4	0.04
CBC (Cannabichromene)*	0.04	0.4	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	3.70	37	0.03

<LOQ - Results below the Limit of Quantitation - Compound not detected



R & D Only - Not For Compliance

Brian Weigel
Lab Director

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Parental Data

C2

TESTING RESULTS - WEEK 4 : CHERRY WINE X CHERRY WINE

Atlas Agriscience LLC
Certificate of Analysis

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Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1910ATLS0014.0059
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry Wine X Cherry Wine
Batch#: GH4_2019_003; Batch Size: g
Sample Received: 10/28/2019; Report Created: 10/29/2019; Expires: 11/28/2019

Cherry Wine X Cherry Wine_WK4_Po0
Plant, Flower - Cured, Greenhouse

0.24%	4.66%	4.90%	6.06%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	0.17	1.7	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.07	0.09	0.9	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.03	0.19	1.9
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.09	ND	ND
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.18	1.8
CBDa	0.01	0.03	4.70	47.0	CBC	0.01	0.05	0.07	0.7
CBD	0.03	0.09	0.53	5.3	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	0.12	1.2	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	ND	ND	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

6.06% Total Cannabinoids	Not Tested NT Terpenes	Not Tested Pesticides	Not Tested Residual Solvents	Not Tested Microbials
Not Tested NT Moisture	Not Tested Water Activity	Not Tested Stems	Not Tested Foreign Matter	Not Tested Mycotoxins

18251 Cascade Avenue S. Ste A
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James Roe
Scientific Director

Ben Hanson
Director, QA/QC

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Sample Name: **CW-WK4-P03**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

Laboratory ID: 19E0099-02
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 05/20/19 00:00
Date Accepted: 05/20/19

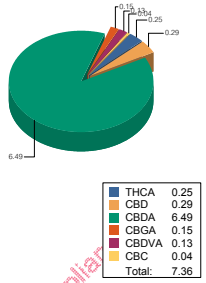
Potency Analysis

Date Extracted: 05/21/19
Date Analyzed: 05/22/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.22	2.2	0.03
Total CBD ((CBDA*0.877)+CBD)	5.98	59.8	0.03
d9-THC (d9-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.25	2.5	0.06
CBD (Cannabidiol)*	0.29	2.9	0.03
CBDA (Cannabidiolic Acid)*	6.49	64.9	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.15	1.5	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	0.13	1.3	0.04
CBC (Cannabichromene)*	0.04	0.4	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	7.36	73.6	0.03

<LOQ - Results below the Limit of Quantitation - Compound not detected

Cannabinoids Profile



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Brian Weigel
Lab Director

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Parental Data

C2

TESTING RESULTS - WEEK 5 : CHERRY WINE X CHERRY WINE

Atlas Agriscience LLC
Certificate of Analysis

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Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1911ATLS0015.0061
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry Wine X Cherry Wine
Batch#: Gh4_2019_003; Batch Size: g
Sample Received: 11/04/2019; Report Created: 11/07/2019; Expires: 12/07/2019

Cherry Wine X Cherry Wine_WK5_po0
Plant, Flower - Cured, Greenhouse

0.30%	6.76%	7.06%	8.59%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	0.18	1.8	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.08	0.13	1.3	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.04	0.15	1.5
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.10	<LOQ	<LOQ
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.34	3.4
CBDa	0.01	0.03	6.25	62.5	CBC	0.01	0.05	0.10	1.0
CBD	0.03	0.09	1.27	12.7	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	0.15	1.5	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	<LOQ	<LOQ	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

8.59% Total Cannabinoids	Not Tested NT Terpenes	Not Tested Pesticides	Not Tested Residual Solvents	Not Tested Microbials
Not Tested NT Moisture	Not Tested Water Activity	Not Tested Stems	Not Tested Foreign Matter	Not Tested Mycotoxins

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Sample Name: **CW-wk5-P04**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

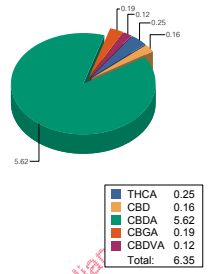
Laboratory ID: 19E0144-02
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 05/29/19 00:00
Date Accepted: 05/29/19

Potency Analysis

Date Extracted: 05/30/19
Date Analyzed: 06/03/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.22	2.2	0.03
Total CBD ((CBDA*0.877)+CBD)	5.09	50.9	0.03
d9-THC (d9-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.25	2.5	0.06
CBD (Cannabidiol)*	0.16	1.6	0.03
CBDA (Cannabidiolic Acid)*	5.62	56.2	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.19	1.9	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	0.12	1.2	0.04
CBC (Cannabichromene)*	< LOQ	< LOQ	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	6.35	63.5	0.03

Cannabinoids Profile



<LOQ - Results below the Limit of Quantitation - Compound not detected

R & D Only - Not For Compliance

Brian Weigel
Lab Director

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Parental Data

C2

TESTING RESULTS - WEEK 6 : CHERRY WINE X CHERRY WINE

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Certificate of Analysis

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Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1911ATLS0023.0075
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry Wine X Cherry Wine
Batch#: ; Batch Size: g
Sample Received: 11/11/2019; Report Created: 11/13/2019; Expires: 12/13/2019

Cherry Wine X Cherry Wine_Wk6_Po0
Plant, Flower - Cured, Greenhouse

0.34%	5.82%	6.15%	7.50%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	0.24	2.4	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.08	0.12	1.2	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.04	0.09	0.9
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.10	ND	ND
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.31	3.1
CBDa	0.01	0.03	5.44	54.4	CBC	0.01	0.05	0.12	1.2
CBD	0.03	0.09	1.04	10.4	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	0.13	1.3	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	<LOQ	<LOQ	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

7.50%	Not Tested NT	Not Tested	Not Tested	Not Tested
Total Cannabinoids	Terpenes	Pesticides	Residual Solvents	Microbials
Not Tested NT	**Not Tested**	**Not Tested**	**Not Tested**	**Not Tested**
Moisture	Water Activity	Stems	Foreign Matter	Mycotoxins

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James Roe
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Ben Hanson
Director, QA/QC

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Sample Name: **CW-WK6**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

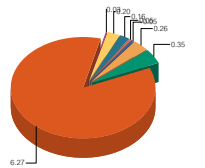
Laboratory ID: 19F0004-01
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 06/03/19 00:00
Date Accepted: 06/03/19

Potency Analysis

Date Extracted: 06/04/19
Date Analyzed: 06/06/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.28	2.8	0.02
Total CBD ((CBDA*0.877)+CBD)	5.85	58.5	0.02
d9-THC (d9-Tetrahydrocannabinol)*	0.05	0.5	0.02
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.02
THCA (d9-Tetrahydrocannabinolic Acid)*	0.26	2.6	0.03
CBD (Cannabidiol)*	0.35	3.5	0.02
CBDA (Cannabidiolic Acid)*	6.27	62.7	0.03
CBN (Cannabinol)*	< LOQ	< LOQ	0.02
CBG (Cannabigerol)*	0.03	0.3	0.02
CBGA (Cannabigerolic Acid)	0.20	2	0.02
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.02
CBDVA (Cannabidivarinic Acid)	0.16	1.6	0.02
CBC (Cannabichromene)*	0.05	0.5	0.02
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.02
Total Cannabinoids	7.36	73.6	0.02

Cannabinoids Profile



THC	0.05
THCA	0.26
CBD	0.35
CBDA	6.27
CBG	0.03
CBGA	0.20
CBDVA	0.16
CBC	0.05
Total:	7.36

<LOQ - Results below the Limit of Quantitation - Compound not detected

R & D Only - Not For Compliance

Brian Weigel
Lab Director

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Parental Data

C2

TESTING RESULTS - WEEK 7 : CHERRY WINE X CHERRY WINE

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Atlas Hemp Oregon
32918 S Orchard Ln
Woodburn, OR 97071
pete.jennings@socati.com
(360) 606-5178

Sample: 1911ATLS0029.0090
Leaf Inventory/Lot ID: ; Leaf Pre-Transfer Inventory/Lot ID:
Strain: Cherry wine X Cherry wine
Batch#: ; Batch Size: g
Sample Received: 11/20/2019; Report Created: 11/21/2019; Expires: 12/21/2019

Cherry Wine X Cherry Wine_WK7_Po0
Plant, Flower - Cured, Greenhouse

0.30%	6.60%	6.90%	8.43%
Total THC	Total CBD	I-502 Cannabinoids	Total Cannabinoids

Cannabinoids

Test Type	LOD %	LOQ %	Mass %	Mass mg/g	Test Type	LOD %	LOQ %	Mass %	Mass mg/g
THCa	0.01	0.02	0.23	2.3	CBNa	0.00	0.01	ND	ND
Δ9-THC	0.02	0.07	0.10	1.0	CBN	0.01	0.03	ND	ND
Δ8-THC	0.03	0.10	ND	ND	CBGa	0.01	0.03	<LOQ	<LOQ
THCVa	0.01	0.02	ND	ND	CBG	0.03	0.09	ND	ND
THCV	0.03	0.09	ND	ND	CBCa	0.00	0.01	0.34	3.4
CBDa	0.01	0.03	6.18	61.8	CBC	0.01	0.05	0.09	0.9
CBD	0.03	0.09	1.18	11.8	CBLa	0.02	0.06	ND	ND
CBDVa	0.01	0.02	0.21	2.1	CBL	0.02	0.07	ND	ND
CBDV	0.02	0.08	0.10	1.0	CBT	0.02	0.08	ND	ND

Total THC = (THCa * 0.877) + d9-THC
Total CBD = (CBDa * 0.877) + CBD
I-502 Cannabinoids = Total THC + Total CBD

Summary

8.43% Total Cannabinoids	Not Tested NT Terpenes	Not Tested Pesticides	Not Tested Residual Solvents	Not Tested Microbials
Not Tested NT Moisture	Not Tested Water Activity	Not Tested Stems	Not Tested Foreign Matter	Not Tested Mycotoxins

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James Roe
Scientific Director

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SC Laboratories Oregon LLC
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Sample Name: **CW-WK7-PO6**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

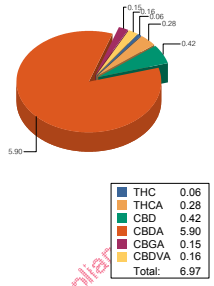
Laboratory ID: 19F0047-02
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 06/11/19 00:00
Date Accepted: 06/11/19

Potency Analysis

Date Extracted: 06/14/19
Date Analyzed: 06/17/19
Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.30	3	0.03
Total CBD ((CBDA*0.877)+CBD)	5.59	55.9	0.03
d9-THC (d9-Tetrahydrocannabinol)*	0.06	0.6	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.28	2.8	0.06
CBD (Cannabidiol)*	0.42	4.2	0.03
CBDA (Cannabidiolic Acid)*	5.90	59	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	< LOQ	< LOQ	0.04
CBGA (Cannabigerolic Acid)	0.15	1.5	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	0.16	1.6	0.04
CBC (Cannabichromene)*	< LOQ	< LOQ	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	6.97	69.7	0.03

Cannabinoids Profile



<LOQ - Results below the Limit of Quantitation - Compound not detected

R & D Only - Not For Compliance

Breeanna Hamilton For Brian Weigel
Lab Director

These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of SC Laboratories. Samples tested in accordance with Oregon Administrative Rules, TNI 2009 Standard and SC Laboratories quality assurance plan unless otherwise noted.

Page 1 of 9 06/19/2019 09:29

Parental Data

C2

TESTING RESULTS - WEEK 8 : CHERRY WINE X CHERRY WINE

sclabs™
know your medicine

Analytical Results

SC Laboratories Oregon LLC
ORELAP# 4133/OLCC# 1004748743D
15865 SW 74th Ave Suite 110, Tigard, OR
503-272-8830
www.sclabs.com

Sample Name: **G4-WK8-POD**
Tested for: Atlas Hemp Oregon

Report cannot be used for OHA/OLCC compliance.

Laboratory ID: 19F0074-02
Matrix: Plant Tissue
Sample Metrc ID: NA
Lot # NA
Batch RFID: NA
Batch Size: NA
License: AG-R1056020IHH
Date Sampled: 06/17/19 00:00
Date Accepted: 06/17/19

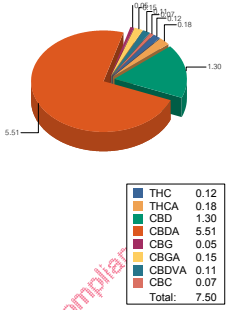
Potency Analysis

Date Extracted: 06/18/19
Date Analyzed: 06/18/19

Analysis Method/SOP: Potency
*** - ORELAP certified analyte**

Cannabinoids	% weight	mg/g	LOQ (%)
Total THC ((THCA*0.877)+d9)	0.28	2.8	0.03
Total CBD ((CBDA*0.877)+CBD)	6.13	61.3	0.03
d9-THC (d9-Tetrahydrocannabinol)*	0.12	1.2	0.04
d8-THC (d8-Tetrahydrocannabinol)*	< LOQ	< LOQ	0.04
THCA (d9-Tetrahydrocannabinolic Acid)*	0.18	1.8	0.06
CBD (Cannabidiol)*	1.30	13	0.03
CBDA (Cannabidiolic Acid)*	5.51	55.1	0.06
CBN (Cannabinol)*	< LOQ	< LOQ	0.03
CBG (Cannabigerol)*	0.05	0.5	0.04
CBGA (Cannabigerolic Acid)	0.15	1.5	0.04
CBDV (Cannabidivarin)*	< LOQ	< LOQ	0.04
CBDVA (Cannabidivarinic Acid)	0.11	1.1	0.04
CBC (Cannabichromene)*	0.07	0.7	0.04
THCV (Tetrahydrocannabivarin)	< LOQ	< LOQ	0.04
Total Cannabinoids	7.50	75	0.03

Cannabinoids Profile



<LOQ - Results below the Limit of Quantitation - Compound not detected

R & D Only - Not For Compliance

Breeanna Hamilton For Brian Weigel
Lab Director

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Parental Data

AUTO CBD-1 FLOWER

LINEAGE: AUTO

This auto flower hybrid provides a high CBD concentration while maintaining compliant Total THC levels. As with all our cultivars, the CBD-1 Socati Auto comes with third party tests showing germination rates, feminization rates, and a post-harvest potency test. Potency ranges between 7-11%. Plants will be sturdy and compact with a conical growing habit,generally 24" to 36" at time of maturity. Finish typically comes in 90 days or less, reducing risk of crop failure in Northern latitudes, higher altitude climates or allowing for multiple crop cycles at lower latitudes.

- 7-11% CBD
- 75-90 DAYS TO FINISH
- FEMINIZED
- COMPLIANT TOTAL THC
- COMPACT GROWING HABIT
- AVAILABLE NOW

AUTO CBD-1 FLOWER

TESTING RESULTS: POST HARVEST POTENCY SEX TEST

Report: Evaluation Summary

PREE LABORATORIES

OLCC License No. 10087092BDA | ORELAP ID. 4147
545 SW 2nd Street. Corvallis OR. 97333 | 541.257.5002 | services@preelab.com | Preelab.com

Product Description

Client:

Product Name: **Auto CBD-1**

Matrix: Post-Harvest Hemp
Metrc ID: n/a
Lot Number: n/a
License Number: 0
Report ID: A0560-02
Date Collected: 2019-09-23
Date Received: 2019-09-23
Report Date: 2019-09-25

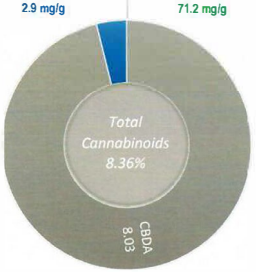
Tests Requested: Moisture Analysis
Cannabinoid Potency Analysis

Notes: R&D sample results may not be used for compliance purposes.

Evaluation Summary

Moisture Analysis	Tested Value (%)
	9.74 %

Cannabinoid Potency Analysis		Abrv.	Dry Wt. %	Dry Wt. mg/g
Total THC *	**Total CBD ***	THCA	0.33	3.3
0.29 %	7.12 %	Δ-9-THC	< LOQ	< LOQ
2.9 mg/g	71.2 mg/g	CBDA	8.03	80.3
		CBD	< LOQ	< LOQ
		CBN	< LOQ	< LOQ
		CBDV	< LOQ	< LOQ



* moisture compensated & adjusted for the loss of carboxylic acid group - OAR 333-064-0100

PHYLOS TESTED

Sex Test Summary

Variety: CBD-1
Report date: 2019-10-17

TOTAL TESTED	4306
FEMALE	4304
MALE	0
UNKNOWN*	2

*Too little DNA to make an accurate sex call.

The information provided is not an actual test report, but intended to be a summary of the sex test results analyzed in October 2019.

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AUTO CBD-1 FLOWER

TESTING RESULTS: GERMINATION & PURITY

PH. (503) 585-1440
FAX (503) 588-0733
office@agriseedtesting.com

AGRI SEED TESTING, INC.
1930 DAVCOR CT. S.E., SALEM, OR 97302

ISTA Accredited Laboratory USML05

Report of Seed Analysis

NAMES AND ADDRESSES:	DATE RECEIVED 09/27/2019	DATE COMPLETED 10/16/2019	TEST NO. 339748

SENDERS INFORMATION*

KIND:	Hemp
VARIETY:	Auto CBD-1
GENUS/SPECIES:	Cannabis sativa
LOT NUMBER:	NOT STATED
SIZE OF LOT:	Not Stated
FIELD NUMBER:	N/A
SAMPLE TYPE:	Submitted Sample
OTHER INFORMATION:	AMENDED-GERMINATION

*The information provided here is that of the sender and not of the laboratory.

PURITY ANALYSIS (50.10 GRAMS ANALYZED)

VIABILITY ANALYSIS

		Germ %	Dormant %	Hard Seed %	Total Viable %	No. Seeds (Germ)	Days Tested	TFL %	TZ %
PURE SEED COMPONENT(S):									
Cannabis sativa (Hemp)	99.38 %	91.75	x	x	91.75	400	7	x	x

OTHER CROP SEED 0.00 %
INERT MATTER 0.52 %
WEED SEED 0.10 %

COMMENTS: Not for labeling purposes due to insufficient amount of seed submitted for testing

OTHER CROP SEED:
None Found

ALL STATES/FEDERAL NOX. WEED SEEDS 480.3 GMS. ANALYZED:
(EXCEPT HI & DUST-LIKE NOXIOUS WEED SEEDS)
30 Brassica napus (in 119.46g) 114 per lb.

INERT MATTER:
chaff, broken seed, sclerotia, rodent dirt, stones

OTHER DETERMINATIONS:
Thousand-seed weight (counting replicates): 10.87 grams. ISTA Method

WEED SEED:
None Found

Date Issued: 10/16/2019

Sharon K. Davidson
Jane E. Remese

SIGNATURE

REGISTERED SEED TECHNOLOGISTS - SEAL NO. 107

TESTED IN ACCORDANCE WITH AOSA RULES

REGISTERED MEMBER SOCIETY OF COMMERCIAL SEED TECHNOLOGISTS

NOTICE: EXCLUSION OF WARRANTIES AND LIMITATIONS OF DAMAGES AND REMEDY. Tests herein reported were conducted on a sample provided by the requesting party. Test results are representative of the condition of the sample only on the day the tests were performed. Agri Seed Testing Inc. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, including WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE CONCERNING ITS TEST RESULTS ON THIS LOT OF SEED. Liability for damages for any cause, including breach of contract, breach of warranty and negligence, with respect to this testing report is limited to a refund of the price of testing the seed. This remedy is exclusive. In no event shall we be liable for any incidental or consequential damages, including loss of profits.

Washington State Department of Agriculture
21 North First Avenue
Yakima, WA 98902
Laboratory Report of Analysis

Account No.	Received Date	Date Completed	Lab Number
2251	11/27/19	12/04/19	19-3505

Information Provided by Sender

Variety/Germplasm	CBD-1
Kind	Hemp
Genus/Species	Canabis sativa
Lot Number	19PSP79-03
Class	Service

Purity Analysis

Component in 50.14 grams		Purity
Hemp *Canabis sativa*		99.68%
	Weed seed	0.00%
	Crop seed	0.00%
	Inert matter	0.32%

Viability Analysis

Germ Date	Germ	Dormant	Hard	Viable
12/04/19	93	-N-	-N-	93

Other Crop Seeds None Found

Noxious Weed Seeds in 500.2 grams None Found
For: Washington
(P)Prohibited Noxious in WA (R)Restricted Noxious in WA

Weed Seeds None Found

Other Determinations
Inert matter: Stems, other plant material, sclerotinia/similar matter, seed coat

Remarks
Hemp - AOSA:Requirements (Purity: 50 grams; Noxious: 500 grams) Submitted: 619 grams
Analyzed using AOSA rules as a guideline.
619 grams submitted for testing

Status: Completed

Tests Requested: Germination, Purity. No other tests requested.
Services Requested: Return sample, SUPER RUSH

WARRANTY: We warrant that the test results reported on this form have been carried out with AOSA rules used as a guideline unless otherwise specified. Test results reflect the condition of a submitted sample and may not reflect the condition of the seed lot from which the sample was taken. Officially drawn samples represent the condition of the lot at the time of sampling.
DISCLAIMER OF WARRANTIES: WE MAKE NO OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Signature: Paula M Moore
Paula M. Moore, M. Sc. in Ag., Program Manager

WASHINGTON STATE DEPARTMENT OF AGRICULTURE
SEED PROGRAM, AN ISO CERTIFIED ORGANIZATION

Created on 12/04/2019 17:24:45 by SG

Page 1 / 1

AUTO CBD-1 FLOWER

COMPLIANCE: AUTO

Chemist Report - REVIEW
Residue Analysis

Date Received: 08/26/2019
Submitted By: RICH GILBERT
Date Collected: 07/25/2019
Date Printed for Review: 09/03/2019
(if date is in the past, then samples have been reported)

Field Sample #: WAIH-0057-State 3 Field Lab #: AA01995
Sample Type: Hemp CBD-1
Comments:

Results:

Test: *Cannabis Potency* Test Code: $CAN_POTENCY

Compound	Result	MDL	LOQ	Units
Cannabidiolic acid	1.1	0.003	0.003	%
Cannabidol	0.031	0.005	0.005	%
Delta-9-Tetrahydrocannabinol	ND	0.005	0.005	%
Delta-9-Tetrahydrocannabinolic acid	0.14	0.005	0.005	%

Note: ND = None Detected
Q = Below Quantitation Limit
MDL = Minimum Detection Limit
LOQ = Limit of Quantitation

WSDA
Plant Protection
Chemical & Hop Laboratory
21 North 1st Avenue, Suite 106
Yakima, WA 98902
(509) 249-6933
Issuing Authority: Mike Firman

Units:
M = ppm = Parts Per Million
B = ppb = Parts Per Billion
ng = nanogram
ug = microgram

Page 1 of 1

Washington State Department of Agriculture

Industrial Hemp Research Pilot
PO Box 42591
Olympia WA 98504-2591
hemp@agr.wa.gov

Fit for Commerce

Date: 09/13/2019

Name:

License Number: WAIH0057

Address:

Lot # / Field Assignment: State 3 Field 2

THC Lab Report Number: AA01995

This lot of Industrial Hemp product is fit to enter commerce in the State of Washington in compliance with RCW 15.120.030 and WAC 16-305-130.

AGR-4744 (R/8/19)

TC2 SUMMER MEDLEY

LINEAGE: TRUMP + CHERRY WINE

- **Inventory: 12M**
- **Non-feminized, open pollinated**
- **At OSU Seed Lab now for germination and purity testing**
- **Comprised of the following parents:**

  Female - Male

  Trump X Trump and/or Cherry Wine

TC2 SUMMER MEDLEY

LINEAGE: TRUMP + CHERRY WINE

HARVEST LOT:

Field Name and/or Harvest Lot: Harvest Lot A
NOTE: In addition to "Field Name", "Harvest Lot" designations will be used when more than one "Harvest Lot" is located on the same "Field Name".

Harvest Lot Sampling Request Description # 1 and Harvest Lot On-Site Sampling Description # 1
NOTE: Note the form number that corresponds to the Harvest Lot test result reported.

Sample Date 9-10-18

Sampled by: Alex Hoggan

Received By: Alex Hoggan Date: 9-10-18
(laboratory personnel)
Time: 3pm

ANALYTICAL REPORT FOR TETRAHYDROCANNABINOL

Method Reference	Analytical Results
HPLC DAD	0.0028% THC Δ9

Date and Time Tested: 9/11/18 @ 5 pm

Laboratory Technician Performing Test (Print name): Paul Sift

Laboratory Technician Signature: [signature] Date Signed: 9/12/18

Reviewed by (Print name) Douglas Duncan

Reviewed by (Signature): [signature] Date Signed: 9-12-18

Understanding these Results:
If the "Analytical Results":

- **Are less than 0.35 percent Δ9 THC**: The Harvest Lot satisfies required pre-harvest testing.
- **Are equal to or greater than 0.35 percent Δ9 THC:** The Harvest Lot fails testing under these rules. You may request a retest by submitting a written request on a form provided by ODA (available on ODA's website). Requests for retesting must be made within seven (7) calendar days from the date this report was mailed. If the retest passes testing, a third and final test must be requested to confirm the passing test result. All retesting is at the cost of the grower. For a full explanation of procedures for failed harvest lots, see OAR 603-048-0625. ODA may detain and dispose of the harvest lot corresponding to the sample as described in OAR 603-048-0900. You will receive additional notice from ODA prior to such action.

Oregon Department of Agriculture Plant Protection & Conservation Program Area Phone: (503) 986-4644 Email: industrial-hemp@oda.state.or.us
Web site: http://www.oregon.gov/ODA
Rev. 7/12/2018, page 2 of 2

TC2 SUMMER MEDLEY

LINEAGE: TRUMP + CHERRY WINE

CHEMHISTORY
CANNABIS TESTING LABORATORY

Certificate of Analysis

Powered by Confident Cannabis
1 of 4

Global Agriscience, LLC
OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0472
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot A
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Cannabinoids
121 HPLC4 20180911-2
09/11/2018

1 Serving = , g
servings/container

Complete

<LOQ
Δ9-THC

1.43%
Total CBD** (Calculated Decarboxylated Potential)

1.79%
Total Cannabinoids Analyzed

Analyte	LOQ mg/g	Mass %	Mass mg/g
THCa	0.2	0.06	0.6
Δ9-THC	0.2	<LOQ	<LOQ
Δ8-THC	0.2	<LOQ	<LOQ
THCVa	0.2	<LOQ	<LOQ
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	1.60	16.0
CBD	0.2	0.02	0.2
CBDV	0.2	<LOQ	<LOQ
CBNa	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	0.12	1.2
CBG	0.2	<LOQ	<LOQ
CBCa	0.2	<LOQ	<LOQ
CBC	0.2	<LOQ	<LOQ
CBLa	0.2	<LOQ	<LOQ
Total		**1.79**	**17.9**

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

5691 SE International Way C-2
Portland, OR
(503) 305-5252
http://chemhistory.com
Lic# OLCC 010-1002015CA5E ORELAP 4057

Douglas Duncan
Laboratory Director

Confident Cannabis
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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com

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CHEMHISTORY
CANNABIS TESTING LABORATORY

Certificate of Analysis

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2 of 4

Global Agriscience, LLC
OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0472
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot A
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PMB09101801H	Cannabinoids	Blank

QC Notes
None

Compounds	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0.002	<LOQ	-
Δ9-THC	0.002	<LOQ	-
CBDa	0.002	<LOQ	-
CBD	0.002	<LOQ	-

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TC2 SUMMER MEDLEY

LINEAGE: TRUMP + CHERRY WINE

CHEMHISTORY
CANNABIS TESTING LABORATORY

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3 of 4

Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0472
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot A
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PLCS09101801H	Cannabinoids	Lab Control Sample

QC Notes
None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	6.5	6.57	98.93	70 - 130	-
Δ9-THC	11.97	7.32	163.52	70 - 130	-
CBDa	2.18	2.19	99.54	70 - 130	-
CBD	4.06	2.3	176.52	57 - 143	Above Limit Range

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CHEMHISTORY
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Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0472
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot A
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PMS09101801H	Cannabinoids	Spike

QC Notes
None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.002	9.52	<20	106	70 - 130	-
Δ9-THC	0.002	<LOQ	<LOQ	98	70 - 130	-
CBDa	0.002	8.49	<20	213	70 - 130	Above Limit Range
CBD	0.002	0	<20	106	70 - 130	-

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FARMER'S OWN CHARLOTTE'S KUSH

LINEAGE: Comprised of open pollination

- **Inventory: 10.5M**
- **Non-feminized, open pollinated.**
- **At OSU Seed Lab now for germination and purity testing**
- **Comprised of the following parents:**

Female	Male
Otto II x Boax	Trump and/or Cherry Wine C2
Otto II x ACDC	Trump and/or Cherry Wine
Otto II x Sause	Trump and/or Cherry Wine
Otto II x Otto 2	Trump and/or Cherry Wine

Often we find plants started from non-feminized seeds are some of our biggest and strongest. The strains listed below have been selected from our stocks as our favorite strains to continue breeding:

4 Subsets - 23 phenotypes
Otto II x BaOX x Trump x Cherrywine
Otto II x ACDC
Otto II x Socati
Otto II x Otto II

Fast Facts

- CBD 10-15%
- Germination Range 90+%
- All variations are THC compliant
- 1-2 lbs per plant yields
- F1 Varietal
- Early finisher
- Can take aggressive nutrients

FARMER'S OWN CHARLOTTE'S KUSH

LINEAGE: Comprised of open pollination

HARVEST LOT:

Field Name and/or Harvest Lot: Harvest Lot B

NOTE: In addition to "Field Name", "Harvest Lot" designations will be used when more than one "Harvest Lot" is located on the same "Field Name".

Harvest Lot Sampling Request Description #2 and Harvest Lot On-Site Sampling Description # 2

NOTE: Note the form number that corresponds to the Harvest Lot test result reported.

Sample Date 9-10-18

Sampled by: Alex Hoggan

Received By: Alex Hoggan (laboratory personnel) Date: 9-10-18

Time: 3pm

ANALYTICAL REPORT FOR TETRAHYDROCANNABINOL

Method Reference	Analytical Results
HPLC DAD	0.009 %

Date and Time Tested: 9/11/18 @ 5pm

Laboratory Technician Performing Test (Print name): Paul Swift

Laboratory Technician Signature: Date Signed: 9/12/18

Reviewed by (Print name) Douglas Duncan

Reviewed by (Signature): Douglas A Duncan Date Signed: 9-12-18

Understanding these Results:

If the "Analytical Results":

- **Are less than 0.35 percent Δ9 THC:** The Harvest Lot satisfies required pre-harvest testing.
- **Are equal to or greater than 0.35 percent Δ9 THC:** The Harvest Lot fails testing under these rules. You may request a retest by submitting a written request on a form provided by ODA (available on ODA's website). Requests for retesting must be made within seven (7) calendar days from the date this report was mailed. If the retest passes testing, a third and final test must be requested to confirm the passing test result. All retesting is at the cost of the grower. For a full explanation of procedures for failed harvest lots, see OAR 603-048-0625. ODA may detain and dispose of the harvest lot corresponding to the sample as described in OAR 603-048-0900. You will receive additional notice from ODA prior to such action.

Oregon Department of Agriculture Plant Protection & Conservation Program Area Phone: (503) 986-4644 Email: industrial-hemp@oda.state.or.us
Web site: http://www.oregon.gov/ODA
Rev. 7/12/2018, page 2 of 2

FARMER'S OWN CHARLOTTE'S KUSH

LINEAGE: Comprised of open pollination

CHEMHISTORY
CANNABIS TESTING LABORATORY

Certificate of Analysis

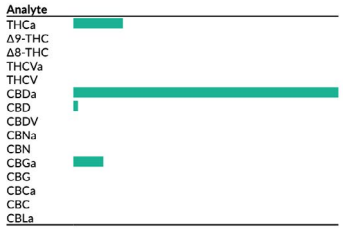
Powered by Confident Cannabis
1 of 4

Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0473
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot B
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Cannabinoids

121 HPLC4 20180911-2
09/11/2018

1 Serving = , g
servings/container

Complete

<LOQ	1.72%
Δ9-THC	Total CBD** (Calculated Decarboxylated Potential)

2.54%
Total Cannabinoids Analyzed

Analyte	LOQ mg/g	Mass %	Mass mg/g
THCa	0.2	0.36	3.6
Δ9-THC	0.2	<LOQ	<LOQ
Δ8-THC	0.2	<LOQ	<LOQ
THCVa	0.2	<LOQ	<LOQ
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	1.93	19.3
CBD	0.2	0.03	0.3
CBDV	0.2	<LOQ	<LOQ
CBNa	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	0.22	2.2
CBG	0.2	<LOQ	<LOQ
CBCa	0.2	<LOQ	<LOQ
CBC	0.2	<LOQ	<LOQ
CBLa	0.2	<LOQ	<LOQ
Total		**2.54**	**25.4**

*Total THC = THCa * 0.877 + d9-THC. **Total CBD = CBDa * 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

5691 SE International Way C-2
Portland, OR
(503) 305-5252
http://chemhistory.com
Lic# OLCC 010-1002015CA5E ORELAP 4057

Douglas Duncan
Laboratory Director

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support@confidentcannabis.com
(866) 506-5866
www.confidentcannabis.com

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CHEMHISTORY
CANNABIS TESTING LABORATORY

Certificate of Analysis

Powered by Confident Cannabis
2 of 4

Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0473
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot B
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PMB09101801H	Cannabinoids	Blank

QC Notes
None

Compounds	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0.002	<LOQ	-
Δ9-THC	0.002	<LOQ	-
CBDa	0.002	<LOQ	-
CBD	0.002	<LOQ	-

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FARMER'S OWN CHARLOTTE'S KUSH

LINEAGE: Comprised of open pollination

CHEMHISTORY
CANNABIS TESTING LABORATORY

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3 of 4

Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0473
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot B
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PLCS09101801H	Cannabinoids	Lab Control Sample

QC Notes
None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	6.5	6.57	98.93	70 - 130	-
Δ9-THC	11.97	7.32	163.52	70 - 130	-
CBDa	2.18	2.19	99.54	70 - 130	-
CBD	4.06	2.3	176.52	57 - 143	Above Limit Range

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CHEMHISTORY
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4 of 4

Global Agriscience, LLC

OR 97071
Bobby@oregonhemp.net
(206) 779-1984
Lic. #AG-R10537671HH

Sample: 1809CH0121.0473
Strain: none
Batch#: ; Batch Size: - grams
Sample Received: 09/10/2018; Report Created: 09/12/2018; Expires: 09/12/2019
Harvest/Production Date:
Sampling: Random; Environment: Room Temp

Lot B
Other, Industrial Hemp, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
121 HPLC4 20180911-2	PMS09101801H	Cannabinoids	Spike

QC Notes
None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.002	9.52	<20	106	70 - 130	-
Δ9-THC	0.002	<LOQ	<LOQ	98	70 - 130	-
CBDa	0.002	8.49	<20	213	70 - 130	Above Limit Range
CBD	0.002	0	<20	106	70 - 130	-

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CBG HEMP SEEDS

LINEAGE: CBG REMEDY

eurofins | BioDiagnostics

Genetics CO Analytical Report

Report No.:541183

1821 Vista View Drive
Longmont, CO, 80504
Phone: (303) 651-6417
Fax: (303) 772-4003
www.eurofinsus.com/biodiagnostics

Customer Office: Bobby@oregonhemp.net (206) 779-1984
Street Address: 32918 South Orchard Lane
City, State, Zip: Woodburn OR, 97071
Phone:

Date Reported: 10/29/2019
Date Completed: 10/25/2019
Date Received: 10/21/2019

Sample No	Sample Information	Test Requested / Test Method	Result Parameters
219012609	**Species:** Hemp, Industrial **Scientific Name:** Cannabis sativa **Variety:** 600-H5CBG1019 **Lot:** **Batch:** **Seed Size:** **LIMS:** **IL:** **Tracking#:** **Seeds/lb:**	Hemp Sexing (Seed)-PCR-DNA Seq.	Population Tested : 94 Population Reported : 87 # of Females : 87 # of Males : 0 # of Missing Data : 7 % Female : 100 % Male : 0

Report Comment: This report replaced following report(s):Report No.: 540321. Customer name was updated.

Eurofins BioDiagnostics, Inc. warrants that it uses due care when performing tests for its customers. However, testing results are only reflective of the sample submitted by the customer. Eurofins BioDiagnostics, Inc. does not warrant the sample is representative of the seed lot from which the sample is drawn. Except for the testing services provided, Eurofins BioDiagnostics, Inc. makes no warranties or guarantees of any kind, expressed or implied, with respect to the services rendered.

Thank you for your business !

Russell Maxwell
Genetic Services

CBG HEMP SEEDS

LINEAGE: CBG REMEDY

eurofins | BioDiagnostics

Report of Analysis
Report No.:543560

1821 Vista View Drive
Longmont, CO, 80504
Phone: (303) 651-6417
Fax: (303) 772-4003
www.eurofinsus.com/biodiagnostics

Name & Address:
Bobby@oregonhemp.net
(206) 779-1984
32918 South Orchard Lane
Woodburn OR, 97071

Sender's Information:*

Kind:	Hemp, Industrial-Cannabis sativa
Variety:	600-H5CBG1019
Lot Number:	Not Stated
Seed Size:	Not Stated
Bag Weight:	Not Stated
Size of Lot:	Not Stated
Batch:	Not Stated
LIMS:	Not Stated
IL:	Not Stated
Customer Tracking#:	Not Stated

*The information provided here is that of the sender and not of the laboratory.

Sample No	Date Received	Report Date
219012609	10/21/2019	11/05/2019

Test(s) Requested: PCR-DNA Seq. Hemp Sexing (Seed) 96 seed SST Warm 400 seed AOSA

Laboratory Test Results

Test Conducted	% Normal	% Dormant	% Hard	% Abnormal	% Dead	% Total Viable	Seeds Tested	Days Tested	Date Completed	Rules Followed
Warm	98.00	0.00	0.00	1.00	1.00	98.00	400	7	10/29/2019	AOSA: Planted for 7 days at 20-30C on rolled towels wetted with DI Water.

Comments:

Purity Analysis		
Not Conducted grams analyzed	Kind	No. Found / No./lb
	Other Crop Seed:	
	Kind	No. Found
Common Weed Seed:	**Inert Matter:**	
Kind / No. Found	**Other Determinations:**	

Report Comment: This report replaced following report(s) with Report No.: 541706.

USDA PROCESS VERIFIED

Issued By
Terry Dunfield
Registered Seed Technologist

Terry Dunfield RST
Authorized Signature
Registered Seed Technologist, Seal No.9

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botanacor

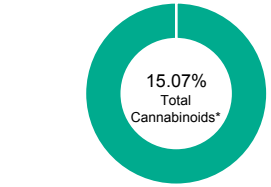
CERTIFICATE OF ANALYSIS

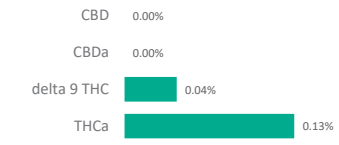
prepared for:
Atlas Hemp Oregon
32918 South Orchard Lane
Woodburn OR, 97071

CBG REMEDY

Batch ID:		**Test ID:**	5407819.009
Reported:	18-Sep-2019	**Method:**	TM14
Type:	Plant		
Test:	Potency		

CANNABINOID PROFILE





% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.13	1.3
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.04	0.4
Cannabidiolic acid (CBDA)	0.06	0.00	0.0
Cannabidiol (CBD)	0.03	0.00	0.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	0.00	0.0
Cannabinolic Acid (CBNA)	0.09	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.06	14.09	140.9
Cannabigerol (CBG)	0.03	0.23	2.3
Tetrahydrocannabivarinic Acid (THCVA)	0.05	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.05	0.00	0.0
Cannabidivarin (CBDV)	0.03	0.00	0.0
Cannabichromenic Acid (CBCA)	0.05	0.58	5.8
Cannabichromene (CBC)	0.06	0.00	0.0
Total Cannabinoids		**15.07**	**150.70**
Total Potential THC**		0.15	1.54
Total Potential CBD**		0.00	0.00

NOTES:
N/A

FINAL APPROVAL

Karen Winternheimer
18-Sep-2019
2:18 PM
PREPARED BY / DATE

David Green
18-Sep-2019
3:16 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

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SEED STARTS

Space and time can be a limiting factor when starting seeds. We scientifically engineer our starter soil mix to provide an optimal growing medium for our starts. Our starter soils include both CannaRx, one of the best biological controls for mites and mildews we have found, and CannaGenesis that helps ignite soil function. We lose very few plants each year to pest or disease pressure due to the inclusion of these two soil amendments in our fertility program.

Seeds starts come in 128 cell trays. Starts will generally be 3''-4'' tall with one to two leaf sets. Delivery can be arranged at extra cost based on farm location.

Payment Terms: 50% down on placement of order. Balance is due one week before shipment or on pickup. Down payment is non-refundable within 30 days of shipping date. There will be three start dates to choose from. Return 128 cell trays within 20 days of post-delivery.

Fast Facts

- 128 Cell Trays
- Starts are Generally 3'' Tall
- Shipment Starts Mid-April Through June
- Germinated in high quality soil

CLONES

Each cultivar goes through a rigorous selection process. Standards on yield, terpene profile, pest and disease resistance, growth structure, and finishing time are all considered when choosing our mother plants. Our clones meet consistent and reliable performance standards.

When we choose the best plants, we apply feminized pollen to produce fem seeds for our mother stock. Then, some of those seeds grow up to be mothers. There is testing and further selection of mothers we want to clone.

Clones will be ready to ship out starting late April running through May and June depending on when farmers are looking to plant. There is a 50% down payment on any clone order with the remainder due one week before shipment. Down payment is non-refundable, unless for some reason Atlas Hemp Oregon is unable to fulfill order in its entirety. Clones are sold on a first come first served basis.

Supply is limited. Ordering early is highly recommended.

Fast Facts

- Rooted Clones are in 128m cell trays
- Healthy and Viable Plants with Multiple Leaf Sets
- Grown in Specialty Soils, germinated in high quality soil
- Grow Clones of Our Favorite Plants

PRICING

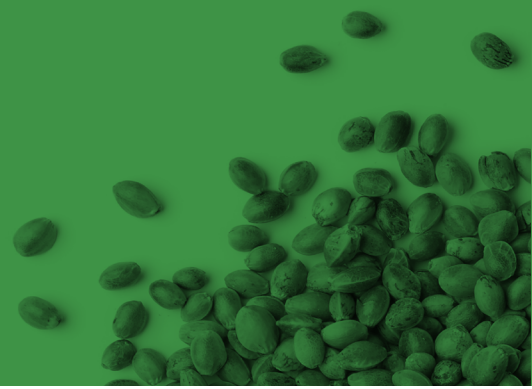
Clones

$6.00 per clone - up to 100,000
$5.00 per clone - 100,000 - 500,000
$4.50 per clone - 500,00 plus

Seed Starts

$3.00 per plant - 128 - 100,000 starts
$2.75 per plant - 100,000 - 500,000 starts
$2.50 per plant - 500,000 plus starts

GENETIC	FEMINIZED	GERMINATION RATE	AUTOFLOWER	THC %	CBD %	CBG %	QUANTITY ON HAND	PRICE PER SEED UNDER 5K	PRICE PER SEED 5K - 20K	PRICE PER SEED 20K - 50K	PRICE PER SEED 50K - 100K	PRICE PER SEED 100K - 250K	PRICE PER SEED 250K +
CHERRY WINE	YES	91%	NO	0.3% <	12%	0.20%	5 MILLION	$0.95	$0.85	$0.75	$0.65	$0.60	$0.55
ATLAS AUTO CBD-1	YES	92%	YES	0.3% <	9%	0%	10 MILLION	$1.00	$0.90	$0.80	$0.70	$0.65	$0.60
ATLAS SUMMER MEDLEY	NO	90%	NO	0.3% <	8%	0%	20 MILLION	$0.25	$0.20	$0.15	$0.10	$0.10	$0.10
CHARLOTTE'S KUSH	NO	90%	NO	0.3% <	8%	0%	20 MILLION	$0.25	$0.20	$0.15	$0.10	$0.10	$0.10
ATLAS CBG REMEDY	YES	90	NO	0.3% <	0	12	80,000	N/A	$4.00	$4.00	$4.00	$4.00	$4.00



CONTACT US

Brian Wilson
Sales Manager
Brian@oregonhemp.net

Bobby Mahdavi
President
Bobby@oregonhemp.net

www.oregonhemp.net

atlas hemp
oregon

Please have the following information available when ready to order:

- Your license number
- Amount of seeds by strain
- Your farm address

Once payment is received. Seeds ship out in 3-5 business days if available.

*We accept check or wire transfer. We are currently unable to take credit or debit cards.