

# Certificate of Analysis

## IDENTIFICATION

**Product Name:** Clementine

**Lot Number:** J15CLM04

**Formulation Date:** 12/20/2022

**Shelf Life:** 24 Months from the date of production when stored in original container and sealed.

TEST	SPECIFICATION	RESULTS
Appearance (Color)	Clear	Clear
Appearance (Form)	Liquid	Liquid
Odor	Sweet, Citrusy	Conforms
Solvents	Within CA Limits	PASS
Pesticides	Within CA Limits	PASS
Heavy Metals	Within CA Limits	NT

**Storage Conditions:** Stable when stored in dark and dry room temperature area with tightly sealed original container. Keep away from light and heat.

**Compliance Statement:** This COA contains results from 3<sup>rd</sup> party laboratories licensed in the state of California. The Terpene Store recommends each customer to conduct their own tests to determine the suitability for its application, including compliance with all legal requirements. Each lot may vary slightly.

**Allergen Statement:** Products do not contain any known major food allergens per FALCPA.

**Manufacture Statement:** Products are formulated in an ISO7 cleanroom environment.

This product does not contain THC, CBD, or any other cannabinoids. This product does not contain MCT, PG, PEG, VG, Vitamin E Acetate or Squalene.

# CERTIFICATE OF ANALYSIS

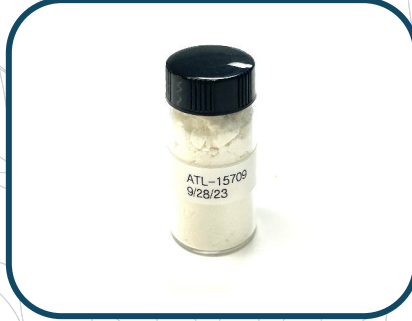


Arvida Labs  
**Customer:** 1291 NW 65th PL Suite B,  
Fort Lauderdale, FL 33309, USA

**Batch #:**  
**Laboratory Number:** ATL-15709

**Report Issue Date:** 9/29/2023  
**Order Date:** 9/28/2023  
**Analysis Date:** 9/28/2023

**Sample Description:**  
THCA Isolate/Distillate



**Extraction Technician:** LL  
**Analytical Chemist:** LL

**Unit Weight:** 1g

*Kim Dang*  
Laboratory Manager

## CANNABINOID PROFILE -16 COUNTS

Analyte	LOQ (mg/g)	Results (mg/g)	%
CBDV-A	<0.011	N/D	N/D
CBDV	<0.011	N/D	N/D
CBD-A	<0.008	N/D	N/D
CBG-A	<0.008	N/D	N/D
CBG	<0.007	N/D	N/D
CBD	<0.008	N/D	N/D
THCV	<0.008	N/D	N/D

Analyte	LOQ (mg/g)	Results (mg/g)	%
D8-THCV	<0.004	N/D	N/D
THCV-A	<0.005	N/D	N/D
CBN	<0.011	N/D	N/D
D9-THC	<0.014	N/D	N/D
D8-THC	<0.005	N/D	N/D
9S-D10-THC	<0.005	N/D	N/D
9R-D10-THC	<0.002	N/D	N/D

Analyte	LOQ (mg/g)	Results (mg/g)	%
CBC	<0.009	N/D	N/D
CBC-A	<0.005	N/D	N/D
THC-A	<0.005	998.100	99.810

<b>Max Active THC</b>	mg/g	%
	875.33	87.53
<b>Max Active CBD</b>	mg/g	%
	N/D	N/D

<b>Total Active Cannabinoids</b>	mg/g	%
	875.33	87.53
<b>Total Cannabinoids</b>	mg/g	%
	998.10	99.81

## NOTES

Cannabidiol (CBD) Cannabidiolic Acid (CBDA) Cannabigerol (CBG) Cannabigerolic Acid (CBGA) Cannabivarin (CBDV) Cannabivarinic Acid (CBDVA) Tetrahydrocannabinol (THC) Delta-9-Tetrahydrocannabinol (D9-THC) Delta-8-Tetrahydrocannabinol (D8-THC) 9S-Delta-10-Tetrahydrocannabinol (9S-D10-THC) 9R-Delta-10-Tetrahydrocannabinol (9R-D10-THC) Cannabichromene (CBC) Cannabichromenic Acid (CBCA) Tetrahydrocannabinolic Acid (THCA)

Document ID: ATL-225 Revision: 04 Effective Date: 8/2/2023

Reporting Limits will vary based on sample extraction weight used for the analysis. Accurate Test Lab, LLC utilizes based upon traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced. Results only apply to samples within COA as received. Certificate of Analysis shall not be reproduce except in full without approval of Accurate Test Lab, LLC.

N/D: Not Detected LOQ: Limit of quantification

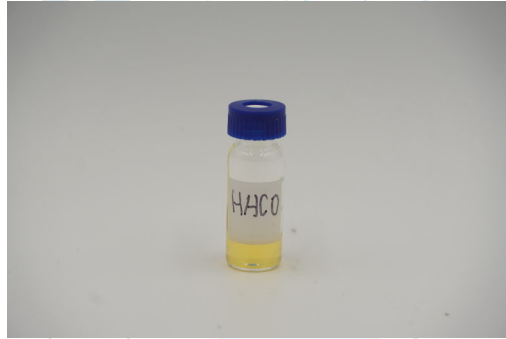
Analysis Method: ATL-LCM-001. Accurate Test Lab estimated expanded uncertainty is 13% as per in VALIDATION AND VERIFICATION OF ATL-LCM-001 (ATL-500A)



**HHCO**

 Sample ID: SA-230406-19930  
 Batch: Validation  
 Type: In-Process Materials  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

 Received: 04/06/2023  
 Completed: 04/17/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

**Summary**

<b>Test</b> Cannabinoids	<b>Date Tested</b> 04/17/2023	<b>Status</b> Tested
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<b>ND</b> Total Δ9-THC	<b>68.8 %</b> (6aR,9R,10aR)-HHC acetate	<b>95.3 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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**Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS**

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBG	0.0057	0.0172	ND	ND
CBL	0.0112	0.0335	ND	ND
CBN	0.0056	0.0169	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
(6aR,9R,10aR)-HHC acetate	0.0067	0.02	68.8	688
(6aR,9S,10aR)-HHC acetate	0.0067	0.02	26.4	264
<b>Total Δ9-THC</b>			<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>95.3</b>	<b>953</b>

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;



 Generated By: Ryan Bellone  
 CCO  
 Date: 04/17/2023



 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 04/17/2023

 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651


**HHCP**

 Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

 Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

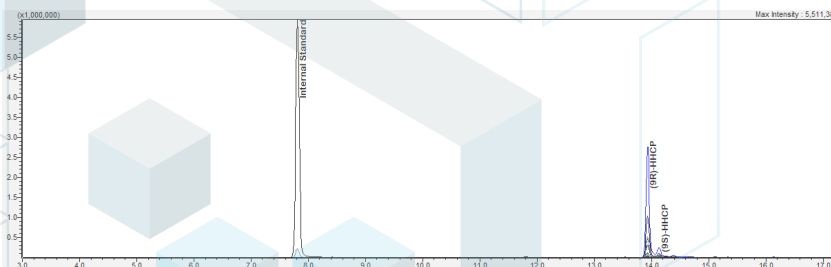
**Summary**

Test	Date Tested	Status
Cannabinoids	03/17/2023	Tested
Catalyst Metals	03/21/2023	Tested
Foreign Matter	03/15/2023	Tested
Heavy Metals	03/17/2023	Tested
Microbials	03/23/2023	Tested
Mycotoxins	03/16/2023	Tested
Pesticides	03/16/2023	Tested
Residual Solvents	03/15/2023	Tested

<b>ND</b> Total Δ9-THC	<b>72.3 %</b> 9R-HHCP	<b>80.9 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Detected</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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**Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS**

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDa	0.0043	0.013	ND	ND
CBDP	0.0067	0.02	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ8-THCP	0.0067	0.02	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCP	0.0067	0.02	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	ND	ND
(6aR,9S,10aR)-HHC	0.0067	0.02	ND	ND
9R-HHCP	0.0067	0.02	72.3	723
9S-HHCP	0.0067	0.02	8.66	86.6
<b>Total Δ9-THC</b>			<b>ND</b>	<b>ND</b>
<b>Total CBD</b>			<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>80.9</b>	<b>809</b>



ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA

 Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023

 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 03/17/2023

 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651


**HHCP**

Sample ID: SA-230313-18092  
Batch: HHCP-032023  
Type: Finished Products  
Matrix: Concentrate - Distillate  
Unit Mass (g):

Received: 03/14/2023  
Completed: 03/23/2023

**Client**

Arvida Labs  
1291 NW 65th PL Unit B  
Fort Lauderdale, FL 33309  
USA



Generated By: Ryan Bellone  
CCO

Date: 03/23/2023



## HHCP

Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

## Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



Tested By: Kelsey Rogers  
 Scientist  
 Date: 03/17/2023



**HHCP**

 Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

 Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

**Pesticides by LC-MS/MS**

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Oxamyl	30	100	ND
Chlorpyrifos	30	100	ND	Paclobutrazol	30	100	ND
Clofentezine	30	100	ND	Permethrin	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Daminozide	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Fonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



 Tested By: Jasper van Heemst  
 Principal Scientist  
 Date: 03/16/2023


## HHCP

Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND
Ochratoxin A	1	5	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



Tested By: Jasper van Heemst  
 Principal Scientist  
 Date: 03/16/2023





## HHCP

Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

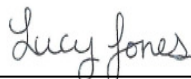
## Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)
Total aerobic count	1	ND
Total coliforms	1	ND
Generic E. coli	1	ND
Salmonella spp.	1	ND
Shiga-toxin producing E. coli (STEC)	1	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



Tested By: Lucy Jones  
 Scientist  
 Date: 03/23/2023



**HHCP**

 Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

 Received: 03/14/2023  
 Completed: 03/23/2023

**Client**

 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

**Residual Solvents by HS-GC-MS**

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



 Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 03/15/2023


## HHCP

Sample ID: SA-230313-18092  
 Batch: HHCP-032023  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

Received: 03/14/2023  
 Completed: 03/23/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

## Catalyst Metals

Analyte	Result	Unit	LOD	LOQ
Platinum (Pt)	ND	ppb	3	10
Rhodium (Rh)	ND	ppb	3	10
Ruthenium (Ru)	ND	ppb	3	10
Nickel (Ni)	14.9	ppb	3	10
Palladium (Pd)	ND	ppb	3	10



Generated By: Ryan Bellone  
 CCO  
 Date: 03/23/2023



Tested By: Kelsey Rogers  
 Scientist  
 Date: 03/21/2023



## Arvida Labs THCp

 Sample ID: SA-230321-18754  
 Batch: AL-THCp-0001  
 Type: Finished Products  
 Matrix: Concentrate - Distillate  
 Unit Mass (g):

 Collected: 03/21/2023  
 Received: 03/22/2023  
 Completed: 03/27/2023

**Client**  
 Arvida Labs  
 1291 NW 65th PL Unit B  
 Fort Lauderdale, FL 33309  
 USA

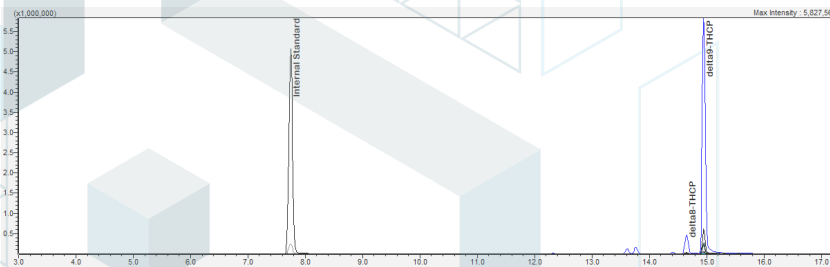

### Summary

Test Cannabinoids	Date Tested 03/27/2023	Status Tested
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<b>ND</b> Total Δ9-THC	<b>88.9 %</b> Δ9-THCP	<b>94.8 %</b> Total Cannabinoids	<b>Not Tested</b> Moisture Content	<b>Not Tested</b> Foreign Matter	<b>Yes</b> Internal Standard Normalization
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### Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDa	0.0043	0.013	ND	ND
CBDP	0.0067	0.02	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	ND	ND
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-THC	0.0104	0.0312	ND	ND
Δ8-THCP	0.0067	0.02	5.82	58.2
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCP	0.0067	0.02	88.9	889
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
<b>Total Δ9-THC</b>			<b>ND</b>	<b>ND</b>
<b>Total CBD</b>			<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>94.8</b>	<b>948</b>

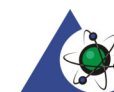


ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;



 Generated By: Ryan Bellone  
 CCO  
 Date: 03/27/2023



 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 03/27/2023

 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651
