




Batch 411

Matrix: SunbeamCBD
Sample: Delta-8 2G Cartridge
Flavor: Granddaddy Purp

Produced: N/A
Collected: 05/28/23
Received: 05/28/23
Completed: 05/28/23

	89.5381%	3.5907%	95.6682%
	Δ8-THC	Total CBD	Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Pass

Analyte	LOD	LOQ	Results	Results
Δ9-THC	mg/g	mg/g	mg/g	%
Δ9-THC	0.207	0.25	895.3813	89.5381
CBD	0.175	0.25	35.9074	3.5907
Δ8-THC	0.22	0.25	17.0987	1.7099
CBG	0.229	0.25	4.1807	0.4181
THCV	0.242	0.25	2.3934	0.2393
CBC	0.213	0.25	1.4135	0.1413
CBN	0.245	0.25	0.3075	0.0307
CBCA	0.221	0.25	ND	ND
CBDa	0.133	0.25	ND	ND
CBDV	0.204	0.25	ND	ND
CBDVA	0.238	0.25	ND	ND
CBGa	0.187	0.25	ND	ND
CBT	0.21	0.975	ND	ND
THCa	0.184	0.25	ND	ND
THCVA	0.243	0.25	ND	ND

895.3813 mg/g Total THC; 35.9074 mg/g Total CBD;

Total THC = THCa * 0.877 + Δ9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection, NT = Not Tested, ND = Not Detected

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-103	NT Foreign Matter Visual Inspection SOP-600
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LABORATORY
Accreditation No. 73653



Ini Afla
Chief Science Officer

Neya Jourabchian
COA Review



Batch 411

Matrix: SunbeamCBD
Sample: Delta-8 2G Cartridge
Flavor: Granddaddy Purp

Produced: N/A
Collected: 05/25/23
Received: 05/25/23
Completed: 05/26/23

Residual Solvents

Testing method: HSGCMS-SOP 202

Pass

Analyte	LOD	LOQ	Limit	Results	Status
1,2-Dichloroethane	µg/g 0.08	µg/g 1.0	µg/g 1	µg/g ND	Pass
Acetone	9.19	50.0	5000	<LOQ	Pass
Acetonitrile	17.49	58.35	410	ND	Pass
Benzene	0.09	1.0	1	ND	Pass
Butane	35.32	117.8	5000	ND	Pass
Chloroform	0.21	1.0	1	ND	Pass
Ethanol	14.96	50.0	5000	ND	Pass
Ethyl acetate	12.8	50.0	5000	<LOQ	Pass
Ethylene Oxide	0.3	1.0	1	ND	Pass
Ethyl ether	16.0	53.36	5000	ND	Pass
Heptane	42.11	140.48	5000	ND	Pass
Isopropyl alcohol	19.79	66.02	5000	ND	Pass
Methanol	149.0	497.01	3000	ND	Pass
Methylene chloride	0.11	1.0	1	ND	Pass
Hexane	33.99	113.37	290	ND	Pass
Pentane	28.08	93.67	5000	ND	Pass
Propane	42.44	141.57	5000	ND	Pass
Toluene	23.99	80.03	890	ND	Pass
Trichloroethylene	0.06	1.0	1	ND	Pass
Total xylenes	65.49	218.45	2170	ND	Pass

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



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Ini Afia
Chief Science Officer

Neya Jourabchian
COA Review



Batch 411

Matrix: SunbeamCBD
Sample: Delta-8 2G Cartridge
Flavor: Pineapple Express

Produced: N/A
Collected: 05/28/23
Received: 05/28/23
Completed: 05/29/23

	89.5381%	3.5907%	95.6682%
	Δ8-THC	Total CBD	Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Pass

Analyte	LOD	LOQ	Results	Results
Δ9-THC	mg/g 0.207	mg/g 0.25	mg/g 895.3813	g/g 89.5381
CBD	0.175	0.25	35.9074	3.5907
Δ8-THC	0.22	0.25	17.0987	1.7099
CBG	0.229	0.25	4.1807	0.4181
THCV	0.242	0.25	2.3934	0.2393
CBC	0.213	0.25	1.4135	0.1413
CBN	0.245	0.25	0.3075	0.0307
CBCA	0.221	0.25	ND	ND
CBDa	0.133	0.25	ND	ND
CBDV	0.204	0.25	ND	ND
CBDVA	0.238	0.25	ND	ND
CBGa	0.187	0.25	ND	ND
CBT	0.21	0.975	ND	ND
THCa	0.184	0.25	ND	ND
THCVA	0.243	0.25	ND	ND

895.3813 mg/g Total THC, 35.9074 mg/g Total CBD,

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	NT Foreign Matter Visual Inspection SOP-600
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Ini Afia
Chief Science Officer

Neya Jourabchian
COA Review

Batch 411

 Matrix: SunbeamCBD
 Sample: Delta-8 2G Cartridge
 Flavor: Pineapple Express

 Produced: N/A
 Collected: 05/28/23
 Received: 05/28/23
 Completed: 05/29/23

Residual Solvents

Testing method: HSGCMS-SOP 202

Pass

Analyte	LOD	LOQ	Limit	Results	Status
1,2-Dichloroethane	µg/g	µg/g	µg/g	µg/g	
Acetone	0.08	1.0	1	ND	Pass
Acetonitrile	9.19	50.0	5000	<LOQ	Pass
Benzene	17.49	58.35	410	ND	Pass
Butane	0.09	1.0	1	ND	Pass
Chloroform	35.32	117.8	5000	ND	Pass
Ethanol	0.21	1.0	1	ND	Pass
Ethyl acetate	14.96	50.0	5000	ND	Pass
Ethylene Oxide	12.8	50.0	5000	<LOQ	Pass
Ethyl ether	0.3	1.0	1	ND	Pass
Heptane	16.0	53.36	5000	ND	Pass
Isopropyl alcohol	42.11	140.48	5000	ND	Pass
Methanol	19.79	66.02	5000	ND	Pass
Methylene chloride	149.0	497.01	3000	ND	Pass
Hexane	0.11	1.0	1	ND	Pass
Pentane	33.99	113.37	290	ND	Pass
Propane	28.08	93.67	5000	ND	Pass
Toluene	42.44	141.57	5000	ND	Pass
Trichloroethylene	23.99	80.03	890	ND	Pass
Total xylenes	0.06	1.0	1	ND	Pass
	65.49	218.45	2170	ND	Pass

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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 Ini Afia
 Chief Science Officer



 Neya Jourabchian
 COA Review

Cannabinoid Profile

Customer: Sunbeam CBD Pain Cream 1500mg

Customer Sample ID: SBE7768

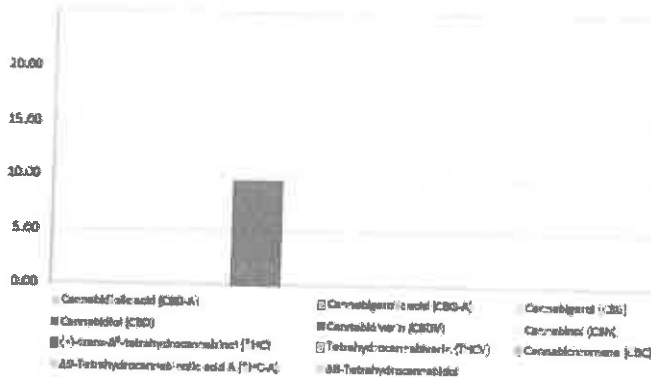
Extraction Technician LC

Internal Batch #: SBE7768

Analytical Chemist: TP

Cannabinoid (HPLC)		Percent	
	LOQ (mg)	Percent	mg/g
Δ^8 -Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.45	0.937	9.37
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans- Δ^9 -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ^9 -Tetrahydrocannabinolic acid A (THC-A)	0.0	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		0.937	9.37
QA REVIEW <i>Carl Chou</i>			
REPORT DATE 01/13/2023		ANALYSIS DATE 01/13/2023	

Cannabinoid (mg/g)



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- Results relate only to the material and batch number analyzed.

- Total THC = (THC-A * 0.877) + THC Total
 CBD = (CBD-A * 0.877) + CBD



**Sunbeam CBD Massage Oil 1000mg
Batch ID S-220-5-21-1**

Sunbeam CBD

Test Result UID: ANL0048503

Lot Inventory ID:

Lab Inventory ID:

Date Tested: 10/04/2023

Serving Size:

1 Bottle (8 oz) = 217.4716 g



Summary

0.52 % Total Cannabinoids	Not Tested Microbial	Not Tested Mycotoxins	Not Tested Residual Solvents	Not Tested Pesticides	Not Tested Heavy Metals
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Cannabinoids

Testing method: HPLC-SOP 0011

Analyte	LOD	LOQ	Mass	Mass
Δ9-THC-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THCV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ8-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBN	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD	0.000 mg/g	0.001 mg/g	5.210 mg/g	1132.951 mg/s
CBDV-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBDV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s

Terpenes

Testing method: HSGCFID-SOP 0030

Analyte	LOD	LOQ	Mass	Mass
α-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
β-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
Myrcene	0.00 mg/g	0.01 mg/g	NT	NT
Ocimene	0.00 mg/g	0.01 mg/g	NT	NT
Limonene	0.00 mg/g	0.01 mg/g	NT	NT
Terpinolene	0.00 mg/g	0.01 mg/g	NT	NT
Linalool	0.00 mg/g	0.01 mg/g	NT	NT
Caryophyllene	0.00 mg/g	0.01 mg/g	NT	NT
Humulene	0.00 mg/g	0.01 mg/g	NT	NT

ND %
Total THC

0.52 %
Total CBD

Not Tested
Total Terpenes

Total THC = Δ9-THC-A * 0.877 + Δ9-THC
Total CBD = CBD-A * 0.877 + CBD
LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected

The values reported pertain only to the product tested.

Not Tested Moisture SOP-0009	Not Tested Water Activity SOP-0053	Not Tested Foreign Matter SOP-0010
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Analytical 360, LLC certifies that the results presented are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Reference Lab
Analytical 360, LLC subcontracts the following assays:

Pesticides and Heavy Metals performed by Medicine Creek Analytics (WSLCB Lab #0018)

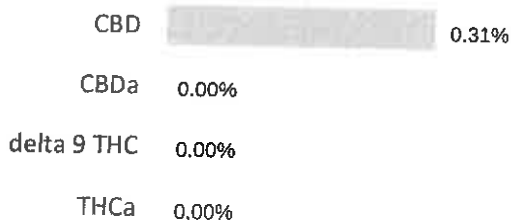
Approved By

Paul D. Matthews, Ph.D.

Paul Matthews, Ph.D.
Executive Lab Director / Chief Science Officer

CBD Goodnight Gummies 25mg

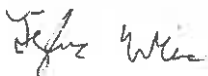
Batch ID:		Test ID:	1347647.0025
Reported:	16-Aug-2023	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.58	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06

NOTES:
of Servings = 1, Sample Weight=8.3858g

N/A

FINAL APPROVAL


Tyler Wiese
16-Aug-2023



Greg Zimpfer
16-Aug-2023

PREPARED BY / DATE

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



SAMPLE NAME: BROAD SPECTRUM CBD OIL LOVE DROPS 500MG 1OZ
 Infused, Non-Inhalable

CULTIVATOR / MANUFACTURER

Business Name:
 License Number:
 Address:

DISTRIBUTOR / TESTED FOR

Business Name: Sunbeam CBD
 License Number:
 Address:

SAMPLE DETAIL

Batch Number: LS.01
 Sample ID: 230707S082

Date Collected: 07/07/2023
 Date Received: 07/07/2023
 Batch Size:
 Sample Size: 1.0 units
 Unit Mass: 30 grams per Unit
 Serving Size:



Scan QR code to verify
 authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 582.480 mg/unit

Sum of Cannabinoids: 582.480 mg/unit

Total Cannabinoids: 582.480 mg/unit

Total THC/CBD is calculated using the following formula to take into account the loss of a carboxyl group during the decarboxylation step:
 Total THC = Δ^9 -THC + (THCa (0.877))
 Total CBD = CBD + (CBDa (0.877))
 Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa +
 THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN
 Total Cannabinoids = (Δ^9 -THC+0.877*THCa) + (CBD+0.877*CBDa) +
 (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +
 (CBDV+0.877* CBDVa) + Δ^8 -THC + CBL + CBN

Density: 0.951 g/mL

SAFETY ANALYSIS - SUMMARY

Δ^9 -THC per Unit: **PASS**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4, Division 19, Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

LQC verified by: Cennen Stackhouse
 Job Title: Senior Laboratory Analyst
 Date: 07/10/2023

Approved by: Josh Wurzer
 Job Title: Chief Compliance Officer
 Date: 07/10/2023




Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 549.450 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 582.480 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 26.850 mg/unit

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: <LOQ

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.720 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/10/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.6831	18.315	1.8315
CBG	0.002 / 0.006	±0.0434	0.895	0.0895
CBN	0.001 / 0.007	±0.0052	0.182	0.0182
CBDV	0.002 / 0.012	±0.0010	0.024	0.0024
CBC	0.003 / 0.010	N/A	<LOQ	<LOQ
Δ^9 -THC	0.002 / 0.014	N/A	ND	ND
Δ^8 -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDA	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			19.416 mg/g	1.9416%

Unit Mass: 30 grams per Unit

Δ^9 -THC per Unit	1100 per-package limit	ND	PASS
Total THC per Unit		ND	
CBD per Unit		549.450 mg/unit	
Total CBD per Unit		549.450 mg/unit	
Sum of Cannabinoids per Unit		582.480 mg/unit	
Total Cannabinoids per Unit		582.480 mg/unit	

DENSITY TEST RESULT

0.951 g/mL

Tested 07/10/2023

Method: QSP 7870 - Sample Preparation

PharmLabs San Diego Certificate of Analysis



3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-000098-LIC
 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368

Sample **Assorted Delta9 CBD Gummies 250 mg**

Sample ID SD220525-017 (48605) Matrix Edible (Other Cannabis Good)
 Distributor License 604034860 Address 7 Vanderbilt, Irvine CA, 92618 Name Sunbeam CBD
 Sampled - Received May 24, 2023 Reported May 27, 2023
 Analyses executed QARUSH, FP-NI Unit Mass (g) 127.871 Serving Size (g) 5.115

CAN+ - Cannabinoids Analysis

Sample photography

Analyzed May 27, 2023 | Instrument HPLC-VWD | Method SOP-001
 Measurement Uncertainty at 95% confidence 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Package
Cannabidiol (CBD)	0.001	0.16	ND	ND	ND	ND
Tetrahydrocannabinol (THC)	0.001	0.16	0.00	0.04	0.18	4.48
Cannabidiol (CBD)	0.001	0.16	ND	ND	ND	ND
Tetrahydrocannabinol (THC)	0.001	0.16	0.00	0.04	0.18	4.48
Cannabinol (CBN)	0.001	0.16	0.00	0.03	0.13	3.32
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.20	1.96	10.01	250.24
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND	ND	ND
Cannabicyclol (CBL)	0.002	0.16	ND	ND	ND	ND
Cannabichromene (CBC)	0.002	0.16	0.00	0.03	0.17	4.22
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND
Total THC (THCa * 0.877 + THC)			0.20	1.96	10.01	250.24
Total CBD (CBDa * 0.877 + CBD)			ND	ND	0.00	ND
Total CBG (CBGa * 0.877 + CBG)			0.01	0.09	0.47	11.64
TOTAL CANNABINOIDS			0.22	2.15	11.00	273.90



HME - Heavy Metals Detection Analysis

Analyzed May 27, 2023 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0002	0.05	ND	1.5	Cadmium (Cd)	3.0e-05	0.05	ND	0.5
Mercury (Hg)	1.0e-05	0.01	ND	3	Lead (Pb)	1.0e-05	0.125	ND	0.5

MIBNIG - Microbial Testing Analysis

Analyzed May 27, 2023 | Instrument Plating | Method SOP-007

Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	ND	ND per 1 gram	Salmonella spp.	ND	ND per 1 gram

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri.
 27 May 2023 14:26:14 -0700

MTO - Mycotoxin Testing Analysis

Analyzed **May 27, 2023** | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	
Aflatoxin B2	2.5	5.0	ND		Aflatoxin G1	2.5	5.0	ND	
Aflatoxin G2	2.5	5.0	ND		Total Aflatoxins	10.0	20.0	ND	20

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri, 27 May 2023 14:26:14 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Certification L17-427-1



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PES - Pesticides Screening Analysis

Analyzed **May 27, 2023** | Instrument LC/MSMS GC/MSMS | Method SOP-003

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamiprid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantranilprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Fonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri.
 27 May 2023 14:26:14 -0700

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RES - Residual Solvents Testing Analysis

Analyzed **May 27, 2023** | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	ND	5000	Butane (But)	0.4	40.0	ND	5000
Methanol (Metha)	0.4	40.0	124.0	3000	Ethylene Oxide (EthOx)	0.4	0.8	ND	1
Pentane (Pen)	0.4	40.0	ND	5000	Ethanol (Ethan)	0.4	40.0	ND	5000
Ethyl Ether (EthEt)	0.4	40.0	ND	5000	Acetone (Acet)	0.4	40.0	ND	5000
Isopropanol (2-Pro)	0.4	40.0	ND	5000	Acetonitrile (Acetonit)	0.4	40.0	ND	410
Methylene Chloride (MetCh)	0.4	0.8	ND	1	Hexane (Hex)	0.4	40.0	ND	290
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000	Chloroform (Clo)	0.4	0.8	ND	1
Benzene (Ben)	0.4	0.8	ND	1	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1
Heptane (Hep)	0.4	40.0	ND	5000	Trichloroethylene (TriClEth)	0.4	0.8	ND	1
Toluene (Toluene)	0.4	40.0	ND	890	Xylenes (Xyl)	0.4	40.0	ND	2170

FVI - Filth & Foreign Material Inspection Analysis

Analyzed **May 27, 2023** | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, or dirt	ND	> 1/4 of the total sample area covered by mold	ND
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

MWA - Moisture Content & Water Activity Analysis

Analyzed **May 27, 2023** | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (Moi)	10.2 % Mw	13 % Mw	Water Activity (WA)	0.66 a _w	0.85 a _w

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri.
 27 May 2023 14:26:14 -0700

CERTIFICATE OF ANALYSIS

150/IEC 17025:2017 ACCREDITATION #103104



Order#: 82750
 Order Name: Delta 8 CBD Gummies
 250 mg Assorted Flavors
 Batch#: 2211-1
 Received: 08/11/2023
 Completed: 08/16/2023



Sample



0.106%
D9-THC

N/D
Total CBD

27.9 mg
Cannabinoids per
unit

N/Dmg
CBD per
unit

1 unit = 3.11 grams per unit x Cannabinoid concentration

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400

UPLOADED: 08/16/2023 10:39:29

Cannabinoids	LOQ	weight(%)	mg/g	mg/unit
D9-THC	10 PPM	0.106%	1.060	3.297
THCA	10 PPM	ND	ND	ND
CBD	10 PPM	ND	ND	ND
CBDA	20 PPM	ND	ND	ND
CBDV	20 PPM	ND	ND	ND
CBC	10 PPM	ND	ND	ND
CBN	10 PPM	ND	ND	ND
CBG	10 PPM	ND	ND	ND
CBGA	20 PPM	ND	ND	ND
D8-THC	10 PPM	0.790%	7.901	24.572
THCV	10 PPM	ND	ND	ND
TOTAL D9-THC		0.106%	0.106%	3.3
TOTAL CBD*		ND	ND	ND
TOTAL CANNABINOIDS		0.896%	8.961	27.9



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDA x 0.677
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Ben Witten, MS, MT, Lab Director

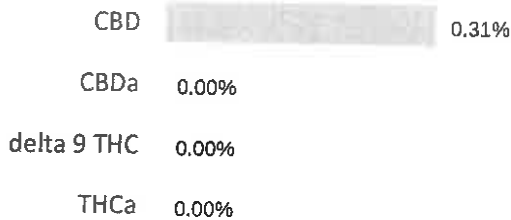
Green Scientific Labs
 info@greenscientificlabs.com
 1-833 TEST CBD



Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

Peach Ring 25mg

Batch ID:		Test ID:	1347647.0025
Reported:	16-Aug-2023	Method:	TM14
Type:	Unit		
Test:	Potency		

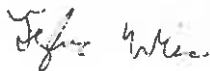
CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.58	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06

NOTES:
of Servings = 1, Sample Weight=8.3858g

N/A

% of CBDa = (CBDa Weight / Analyte Weight) * 100
* Total Cannabinoids = Total CBDa + Total CBD
** Total Potential THC = (THC + THCa) * 0.877
*** Total Potential CBD = (CBD + CBDa) * 1.141

FINAL APPROVAL


 Tyler Wiese
16-Aug-2023



 Greg Zimpfer
16-Aug-2023

PREPARED BY / DATE

APPROVED BY / DATE

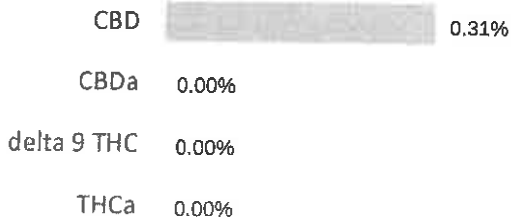
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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



Certificate #4329.02

Sour Bear 25mg

Batch ID:		Test ID:	1347647.0025
Reported:	16-Aug-2023	Method:	TM14
Type:	Unit		
Test:	Potency		

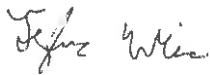
CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.58	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06

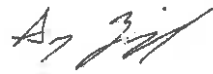
NOTES:
of Servings = 1, Sample Weight=8.3858g

N/A

**% (w/w) = Percent (Weight of Analyte / Weight of Product)
* Total Cannabinoids result reflects the detectable sum of all cannabinoids detected.
** Total Potential THC/CBD is calculated using the following formulas in this test and account for the effect of a compound's molecular weight on its potency: $THC = (THC + THCA) \times (0.877)$ and $Total\ CBD = CBD + (CBDa \times (0.877))$

FINAL APPROVAL


 Tyler Wiese
16-Aug-2023



 Greg Zimpfer
16-Aug-2023

PREPARED BY / DATE

APPROVED BY / DATE

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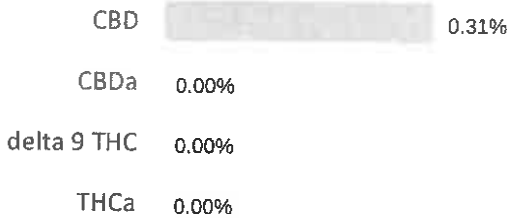
Certificate # 4329.02



Assorted Gummies 25mg

Batch ID: Test ID: 1347647.0025
 Reported: 16-Aug-2023 Method: TM14
 Type: Unit
 Test: Potency

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.58	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06

NOTES:
 # of Servings = 1, Sample Weight=8.3858g

N/A

* Total Cannabinoids result reports the absolute sum of all cannabinoids identified.
 ** Total Potential THC/CBD is calculated using the following formula to take into account the loss of a cannabinoid during the decarboxylation step.
 Total THC = THCA + (THCVA * 0.877) + THCV + (CBDVA * 0.877)
 Total CBD = CBD + (CBDV * 0.877)

FINAL APPROVAL

Tyler Wiese
16-Aug-2023

Greg Zimpfer
16-Aug-2023

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02



Apple Rings 25mg

Batch ID:		Test ID:	1347647.0025
Reported:	16-Aug-2023	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE



CBD	0.31%
CBDa	0.00%
delta 9 THC	0.00%
THCa	0.00%

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
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Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06

NOTES:
 # of Servings = 1, Sample Weight=8.3858g
 N/A

(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))

FINAL APPROVAL

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16-Aug-2023

Greg Zimpfer
16-Aug-2023

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Certificate #4329.02



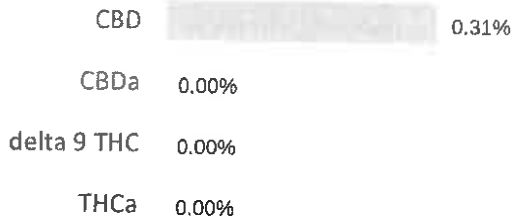
Watermelon Slices 25mg

Batch ID:		Test ID:	1347647.0025
Reported:	16-Aug-2023	Method:	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.34	0.00	0.0
Cannabidiolic acid (CBDA)	0.80	0.00	0.0
Cannabidiol (CBD)	0.45	25.70	3.06
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.37	0.00	0.0
Cannabinolic Acid (CBNA)	0.93	0.00	0.0
Cannabinol (CBN)	0.41	0.00	0.0
Cannabigerolic acid (CBGA)	0.59	0.00	0.0
Cannabigerol (CBG)	0.33	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.58	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.75	0.00	0.0
Cannabidivarin (CBDV)	0.41	0.00	0.0
Cannabichromenic Acid (CBCA)	0.51	0.00	0.0
Cannabichromene (CBC)	0.61	0.00	0.0
Total Cannabinoids		25.70	3.06
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.70	3.06



NOTES:
 # of Servings = 1, Sample Weight=8.3858g
 N/A

% (w/w) = Percent (Weight of Analyte / Weight of Product)
 * Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 ** Total Potential THC/CBD are calculated using the following formula: (mg/ml) x (volume) = (mg) x (potency) = (mg/ml) x (potency) = (mg/ml) x (potency) = (mg/ml) x (potency)

FINAL APPROVAL

Tyler Wiese
16-Aug-2023

Greg Zimpfer
16-Aug-2023

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02



CERTIFICATE OF ANALYSIS

1500mg CBD Isolate Tincture (NATURAL)

Batch ID: 22JUN301609, Sample Type: Tincture, Received: 9/15/23, Analyzed: 9/19/23, Analysis: 18 Cannabinoid Potency, Method: 2021.18P.01, Test ID: 5086, Equipment: UHPLC

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT



Legend: Cannabinoids, Other



Table with columns: Cannabinoid, LOD (ng), LOQ (ng), Result (ng), Result (%)

* Total Potential THCA/CBDV/CBD is calculated using the following formulas to consider the loss of a carboxyl group during decarboxylation step.
** Total THCA = THCA + (THCA * (0.877)) and Total CBD = CBD + (CBD * (0.877)) and Total CBG = CBG + (CBG * (0.877))
*** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

Alex Bujanow, Logan Chiu, Director of Analytical Development, John Reser, Quality Analyst

ANALYZED BY/DATE

AUTHORIZED BY

RELEASED BY

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CERTIFICATE OF ANALYSIS

1500mg CBD Isolate Tincture (ORANGE)

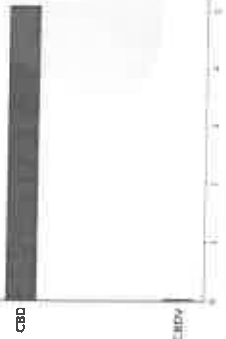
Batch ID:	22JUN301609	Received:	5/15/23	Analysis:	18 Cannabinoid Potency
Sample Type:	Tincture	Analyzed:	5/19/23	Method:	2021.18P.01
Test ID:	5086	Equipment:	UHPLC		

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT



Legend
Blue: Cannabinoids
Red: THC



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.28e-05	1.30e-04	5.09 ± 0.14	50.89
Cannabigerol (CBG)	4.11e-05	1.25e-04	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	ND	ND
Cannabidiol (CBD)	3.95e-05	1.20e-04	ND	ND
Cannabichromene (CBC)	6.93e-05	2.12e-04	ND	ND
Cannabidiol (CBD)	3.88e-05	1.18e-04	ND	ND
Cannabicyclol (CBL)	4.58e-05	1.39e-04	ND	ND
Cannabicyclol acid (CBLA)	4.00e-05	1.21e-04	ND	ND
Tetrahydrocannabinol (THC)	4.04e-05	1.23e-04	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	4.73e-05	1.43e-04	ND	ND
Cannabidiol (CBD)	4.70e-05	1.42e-04	ND	ND
Tetrahydrocannabinol (THC)	3.66e-05	1.13e-04	ND	ND
Cannabigerol acid (CBGA)	3.88e-05	1.21e-04	ND	ND
Cannabidiol acid (CBDA)	4.35e-05	1.28e-04	ND	ND
Cannabidiol (CBD)	3.97e-05	1.20e-04	0.04 ± 0.0010	0.38
Tetrahydrocannabinol acid (THCA)	3.86e-05	1.17e-04	ND	ND
Cannabichromene acid (CBCA)	3.98e-05	1.21e-04	ND	ND
Cannabidiol acid (CBDA)	3.96e-05	1.21e-04	ND	ND
Total Cannabinoids*			5.13	51.27
Total Potential THC*			ND	ND
Total Potential CBD*			5.09 ± 0.14	50.89
Total Potential CBG*			ND	ND

* Total Potential THC/CBD/THC is calculated using the following formulae to consider the loss of a carboxyl group during decarboxylation step.
 * Total THC = THC + (THCA * 0.877) and Total CBD = CBD + (CBDA * 0.877) and Total CBG = CBG + (CBGA * 0.877)
 ** Total Cannabinoids Total reflects the absolute sum of all cannabinoids detected.
 % = % (w/w) = Percent (Weight) of Analyte / Weight of Product

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

Alex Buzanov John R

Alex Buzanov, Microbiologist Logan Cline, Director of Analytical Development John Reser, Quality Analyst

ANALYZED BY/DATE AUTHORIZED BY RELEASED BY



CERTIFICATE OF ANALYSIS

1500mg CBD Isolate Tincture (PEPPERMINT)

Batch ID:	22JUN301609	Received: 6/15/23	Analysis:	18 Cannabinoid Potency
Sample Type:	Tincture	Analyzed: 6/19/23	Method:	2021.18P.01
Test ID:	5086	Equipment:	UHPLC	

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT



Legend
 ■ Cannabinoids
 ■ Other

Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.20e-04	5.09 ± 0.14	50.89
Cannabigerol (CBG)	4.11e-05	1.25e-04	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	7.72e-05	2.34e-04	ND	ND
Cannabichrome (CBC)	3.95e-05	1.20e-04	ND	ND
Cannabidiol (CBD)	5.95e-05	2.12e-04	ND	ND
Cannabicyclol (CBL)	3.92e-05	1.19e-04	ND	ND
Cannabicyclol acid (CBLA)	4.58e-05	1.39e-04	ND	ND
Cannabicyclol acid (CBLA)	4.00e-05	1.21e-04	ND	ND
Tetrahydrocannabinol (THC)	4.04e-05	1.22e-04	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	4.73e-05	1.43e-04	ND	ND
Cannabinol (CBN)	4.70e-05	1.42e-04	ND	ND
Tetrahydrocannabinol Acid (THCA)	3.96e-05	1.21e-04	ND	ND
Cannabipollic acid (CBPA)	3.96e-05	1.21e-04	ND	ND
Cannabipollic acid (CBPA)	4.15e-05	1.26e-04	ND	ND
Cannabivarin (CBV)	3.97e-05	1.20e-04	0.04 ± 0.0010	0.38
Tetrahydrocannabinol Acid (THCA)	3.86e-05	1.17e-04	ND	ND
Cannabichrome acid (CBCA)	3.95e-05	1.21e-04	ND	ND
Cannabivonic Acid (CBVA)	3.89e-05	1.21e-04	ND	ND
Total Cannabinoids*			5.13	51.27
Total Potential THC*			ND	ND
Total Potential CBG*			5.09 ± 0.14	50.89
Total Potential CBC*			ND	ND

* Total Potential THCCBORG is calculated using the following formula: to consider the loss of a carboxyl group during decarboxylation.
 * Total THC = THC + (THCA * 0.877) and Total CBD = CBD + (CBDA * 0.877) and Total CBG = CBG + (CBGA * 0.877)
 ** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 % Total (%) = Percent (Weight of Analyte / Weight of Product)

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

Alex Bujanow
 Alex Bujanow, Microbiologist

John R
 John Reser, Quality Analyst

Logan Cline, Director of Analytical Development
 AUTHORIZED BY

John Reser, Quality Analyst
 RELEASED BY

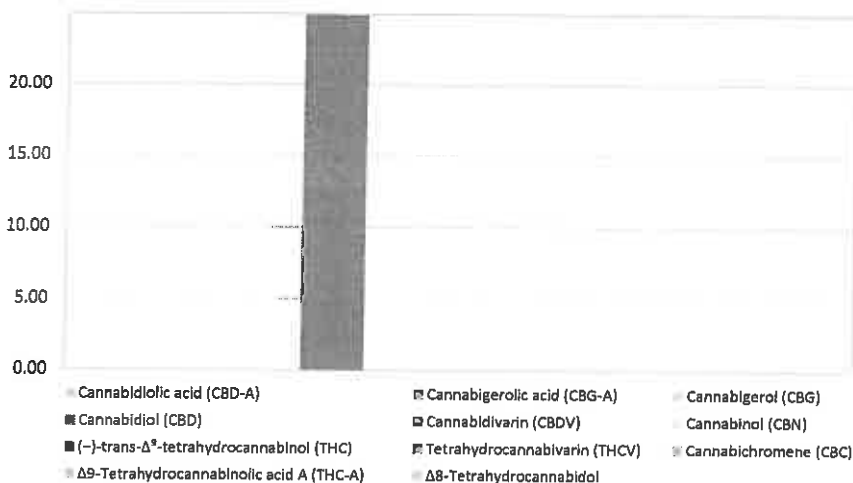


Cannabinoid Profile

Customer: Sunbeam- 1000mg Tincture (Natural) **Internal Batch #** SBE8847
Customer Sample ID: SBE8847-2 **Net Weight:** 30.09 Grams
Extraction Technician LC
Analytical Chemist: TP

Cannabinoid (HPLC)		Results	
	LOQ	Percent	mg/g
Δ8-Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.5	3.323	33.23
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans-Δ ⁹ -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ9-Tetrahydrocannabinolic acid A (THC-A)	0.0	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		3.323	33.23
QA REVIEW <i>Carl Engert</i>			
REPORT DATE	01/13/2023	ANALYSIS DATE	01/13/2023

Cannabinoid (mg/g)



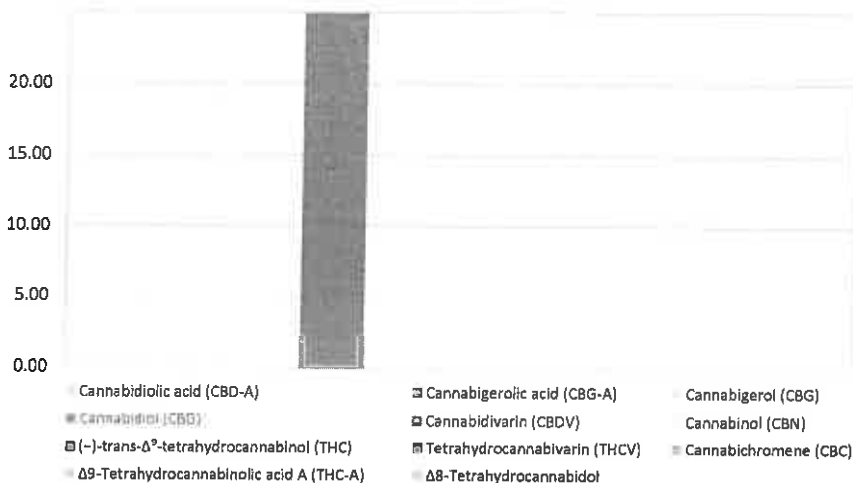
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 - Results relate only to the material and batch number analyzed.
 - Total THC = (THC-A*0.877)+THC Total
 CBD = (CBD-A*0.877)+CBD

Cannabinoid Profile

Customer: Sunbeam- 1000mg Tincture (Orange) **Internal Batch #** SBE8847
Customer Sample ID: SBE8847-2 **Net Weight:** 30.09 Grams
Extraction Technician LC
Analytical Chemist: TP

Cannabinoid (HPLC)	Results		
	LOQ	Percent	mg/g
Δ8-Tetrahydrocannabidiol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.5	3.323	33.23
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans-Δ ⁹ -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ9-Tetrahydrocannabinolic acid A (THC-A)	0.0	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		3.323	33.23
QA REVIEW <i>Carl Engert</i>			
REPORT DATE	01/13/2023	ANALYSIS DATE	01/13/2023

Cannabinoid (mg/g)



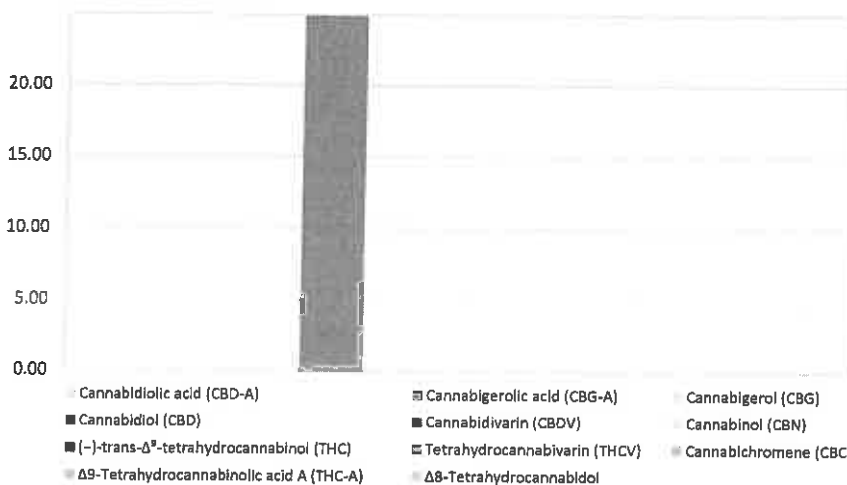
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- Results relate only to the material and batch number analyzed.
- Total THC = (THC-A*0.877)+THC Total
 CBD = (CBD-A*0.877)+CBD

Cannabinoid Profile

Customer: Sunbeam- 1000mg Tincture (Peppermint) **Internal Batch #** SBE8847
Customer Sample ID: SBE8847-2 **Net Weight:** 30.09 Grams
Extraction Technician LC
Analytical Chemist: TP

Cannabinoid (HPLC)	Results		
	LOQ	Percent	mg/g
Δ8-Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.5	3.323	33.23
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans-Δ ⁹ -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ9-Tetrahydrocannabinolic acid A (THC-A)	0.0	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		3.323	33.23
QA REVIEW <i>Carl Cooper</i>			
REPORT DATE	01/13/2023	ANALYSIS DATE	01/13/2023

Cannabinoid (mg/g)



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- Results relate only to the material and batch number analyzed.
- Total THC = (THC-A*0.877)+THC Total
- CBD = (CBD-A*0.877)+CBD

Cannabinoid Profile

Customer: Sunbeam- 500mg -
Tincture (Natural)

Internal Batch #: SBE8847

Customer Sample ID: SBE8847

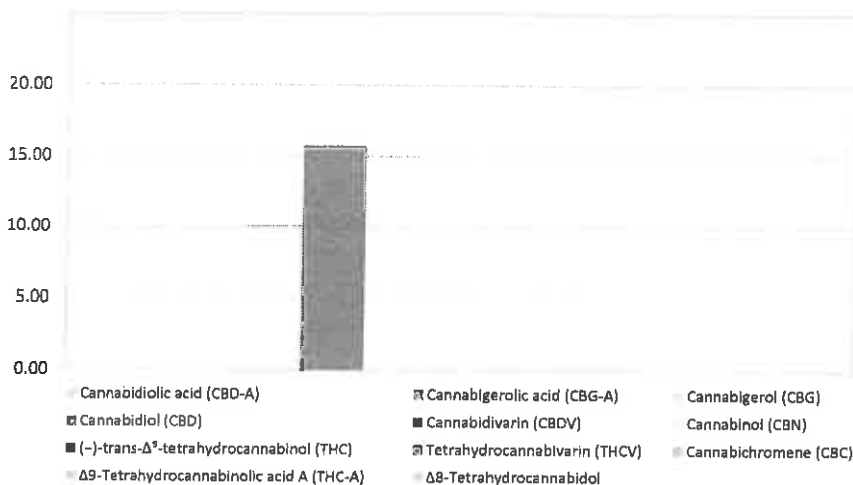
Net Weight: 31.04 Grams

Extraction Technician: LC

Analytical Chemist: TP

Cannabinoid (HPLC)		Results	
	LOQ	Percent	mg/g
Δ8-Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.45	1.610	16.10
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans-Δ ⁹ -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ9-Tetrahydrocannabinolic acid A (THC-A)	0.00	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		1.610	16.10
QA REVIEW <i>Carl Engert</i>			
REPORT DATE 01/13/2023		ANALYSIS DATE 01/13/2023	

Cannabinoid (mg/g)



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- Results relate only to the material and batch number analyzed.

- Total THC = (THC-A*0.877)+THC Total
 CBD = (CBD-A*0.877)+CBD

Cannabinoid Profile

Customer: Sunbeam- 500mg -
Tincture (Orange)

Internal Batch #: SBE8847

Customer Sample ID: SBE8847

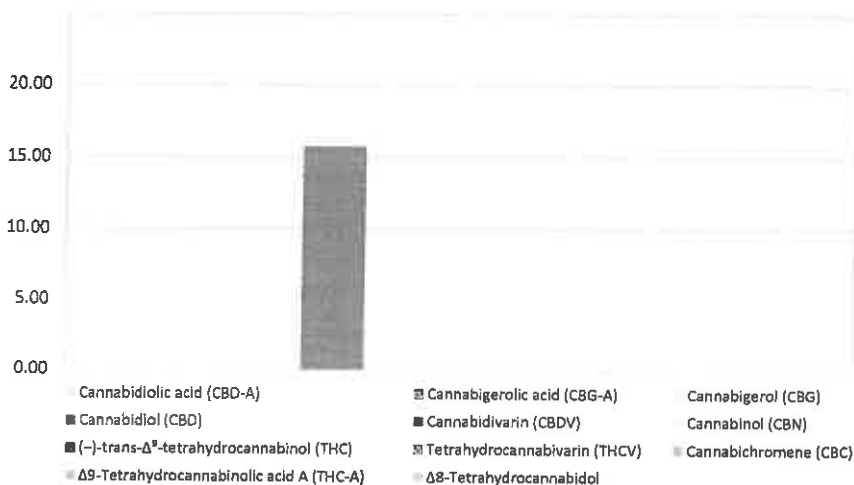
Net Weight: 31.04 Grams

Extraction Technician: LC

Analytical Chemist: TP

Cannabinoid (HPLC)	LOQ	Percent	mg/g
Δ^8 -Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.45	1.610	16.10
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans- Δ^9 -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ^9 -Tetrahydrocannabinolic acid A (THC-A)	0.00	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		1.610	16.10
QA REVIEW <i>Carl Egert</i>			
REPORT DATE	01/13/2023	ANALYSIS DATE	01/13/2023

Cannabinoid (mg/g)



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- Results relate only to the material and batch number analyzed.

- Total THC = (THC-A*0.877)+THC Total
CBD = (CBD-A*0.877)+CBD

Cannabinoid Profile

Customer: Sunbeam- 500mg -
Tincture (Peppermint)

Internal Batch #: SBE8847

Customer Sample ID: SBE8847

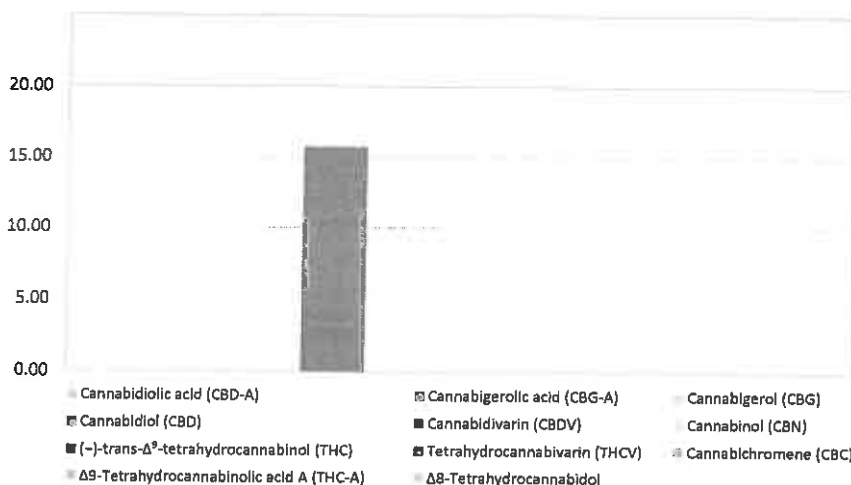
Net Weight: 31.04 Grams

Extraction Technician: LC

Analytical Chemist: TP

Cannabinoid (HPLC)		Results	
	LOQ	Percent	mg/g
Δ8-Tetrahydrocannabinol	0.0	ND	ND
Cannabidiolic acid (CBD-A)	0.0	ND	ND
Cannabigerolic acid (CBG-A)	0.0	ND	ND
Cannabigerol (CBG)	0.0	ND	ND
Cannabidiol (CBD)	0.45	1.610	16.10
Cannabidivarin (CBDV)	0.0	ND	ND
Cannabinol (CBN)	0.0	ND	ND
(-)-trans-Δ ⁹ -tetrahydrocannabinol (THC)	0.0	ND	ND
Tetrahydrocannabivarin (THCV)	0.0	ND	ND
Cannabichromene (CBC)	0.0	ND	ND
Δ9-Tetrahydrocannabinolic acid A (THC-A)	0.00	ND	ND
Cannabinoids Total		Percent	mg/g
Max Active THC		ND	ND
Max Active CBD		1.610	16.10
QA REVIEW <i>Carl Cooper</i>			
REPORT DATE 01/13/2023		ANALYSIS DATE 01/13/2023	

Cannabinoid (mg/g)



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- Results relate only to the material and batch number analyzed.

- Total THC = (THC-A*0.877)+THC Total
 CBD = (CBD-A*0.877)+CBD



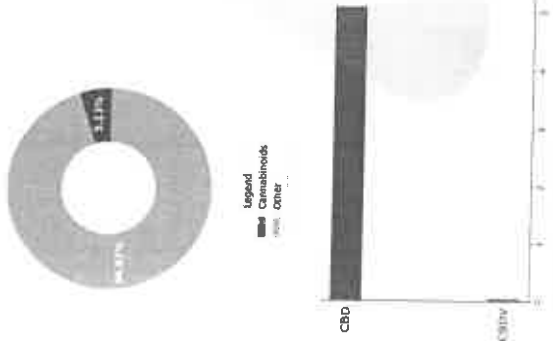
CERTIFICATE OF ANALYSIS

1500mg CBD Isolate Tincture (WATER SOLUBLE)

Batch ID: 22JUN301609 Received: 6/15/23 Analysis: 18 Cannabinoid Potency
 Sample Type: Tincture Analyzed: 7/19/23 Method: 2021.18P.01
 Test ID: 5086 Equipment: UHPLC

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT



Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.28e-05	1.30e-04	5.09 ± 0.14	50.89
Cannabigerol (CBG)	4.11e-05	1.25e-04	ND	ND
Δ ⁹ -Tetrahydrocannabinol (Δ ⁹ -THC)	7.72e-05	2.34e-04	ND	ND
Cannabidiol (CBD)	3.95e-05	1.20e-04	ND	ND
Cannabichrome (CBC)	6.98e-05	2.12e-04	ND	ND
Cannabidiol (CBD)	3.88e-05	1.19e-04	ND	ND
Cannabicyclol (CBL)	4.58e-05	1.39e-04	ND	ND
Cannabicyclotenic acid (CBLA)	4.09e-05	1.21e-04	ND	ND
Tetrahydrocannabinol (THC)	4.04e-05	1.23e-04	ND	ND
Δ ⁸ -Tetrahydrocannabinol (Δ ⁸ -THC)	4.73e-05	1.43e-04	ND	ND
Cannabidiol (CBD)	4.78e-05	1.42e-04	ND	ND
Tetrahydrocannabinol (THC)	3.86e-05	1.11e-04	ND	ND
Cannabigerol (CBG)	3.88e-05	1.21e-04	ND	ND
Cannabidiol (CBD)	4.35e-05	1.26e-04	ND	ND
Cannabidiol (CBD)	3.97e-05	1.20e-04	0.04 ± 0.0010	0.38
Tetrahydrocannabinol (THC)	3.86e-05	1.17e-04	ND	ND
Cannabichrome (CBC)	3.98e-05	1.23e-04	ND	ND
Cannabidiol (CBD)	3.99e-05	1.21e-04	ND	ND
Total Cannabinoids*			5.13	51.27
Total Potential THC			ND	ND
Total Potential CBD			5.09 ± 0.14	50.89
Total Potential CBC			ND	ND

* Total Potential THC/CBD/CBG is calculated using the following formulas to consider the loss of a carboxyl group during decarboxylation: Δ^9 -THC = Δ^9 -THC + (THC * 0.8771) and Total CBD = CBD + (CBD * 0.8771) and Total CBC = CBC + (CBC * 0.3771)
 ** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
 % ± 0.1 (rel) = Percent (Weight of Analyte / Weight of Product)

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

Alex Bujanow John R

Alex Bujanow, Microbiologist Logan Cline, Director of Analytical Development John Reser, Quality Analyst

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Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories reserves the right to re-analyze samples if necessary. Minova Laboratories is ISO 17025:2017 certified. All data is generated using NIST traceable reference material and all reports are produced with the highest responsibility. Reports can only be reproduced with the written consent of Minova Laboratories.

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Wedding Cake
Sample Matrix:
CBD/HEMP
Derivative Products
(Inhalation - Heated)



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

D8-HI LLC
232 DELL RANGE BLVD
CHEYENNE, WY 82009

Batch # 0125D8CART-WC
Batch Date: 2022-01-25

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # D8-220128-200001
Order Date: 2022-01-28
Sample # AACK568

Sampling Date: 2022-02-10
Lab Batch Date: 2022-02-10
Completion Date: 2022-02-14

Initial Gross Weight: 9.974 g
Net Weight: 1.100 g

Number of Units: 1
Net Weight per Unit: 1100.000 mg



Product Image

Potency Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Listeria Monocytogenes Passed

Pathogenic Passed

Delta 8/Delta 10 Potency 12

Specimen Weight: 45.950 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	0.000026	0.001	822.400	82.240
CBC	0.000018	0.001	<LOQ	<LOQ
CBD	0.000054	0.001	<LOQ	<LOQ
THCA-A	0.000032	0.001	<LOQ	<LOQ
Delta-9 THC	0.000013	0.001	<LOQ	<LOQ
Delta-10 THC	0.000003	0.001	<LOQ	<LOQ
CBN	0.000014	0.001	<LOQ	<LOQ
CBGA	0.000008	0.001	<LOQ	<LOQ
CBG	0.000248	0.001	<LOQ	<LOQ
CBDV	0.000065	0.001	<LOQ	<LOQ
CBDA	0.00001	0.001	<LOQ	<LOQ
THCV	0.000007	0.001	<LOQ	<LOQ

Tested (LCUV)

Potency Summary

Total Delta 8 82.240%	Total Delta 10 None Detected
Total THC None Detected	Total CBD None Detected
Total CBG None Detected	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 82.240% 904.640mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
alpha-Pinene	7.992	0.799%
beta-Pinene	0.918	0.092%

Total Terpenes: 0.891%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Ph.D., OABT
Lab Toxicologist

Axlia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



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Wedding Cake
 Sample Matrix:
 CBD/HEMP
 Derivative Products
 (Inhalation - Heated)



License No. 800025015
 FL License # CMTL-0003
 CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

D8-HI LLC
 232 DELL RANGE BLVD
 CHEYENNE, WY 82009

Batch # 0125D8CART-WC
 Batch Date: 2022-01-25

Sampling Method: MSP 7.3.1
 Test Reg State: Florida

Order # D8-220128-200001
 Order Date: 2022-01-28
 Sample # AACK568

Sampling Date: 2022-02-10
 Lab Batch Date: 2022-02-10
 Completion Date: 2022-02-14

Initial Gross Weight: 9.974 g
 Net Weight: 1.100 g

Number of Units: 1
 Net Weight per Unit: 1100.000 mg

Terpenes

Specimen Weight: 51.780 mg

Tested
 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
alpha-Pinene	0.002	7.992	0.799	Fenchyl Alcohol	0.002		<LOQ
beta-Pinene	0.002	0.918	0.092	Gamma-Terpinene	0.002		<LOQ
(+)-Cedrol	0.002		<LOQ	beta-Myrcene	0.002		<LOQ
Guaiol	0.002		<LOQ	3-Carene	0.002		<LOQ
Hexahydrothymo:	0.002		<LOQ	alpha-Bisabolol	0.002		<LOQ
Isoborneol	0.002		<LOQ	alpha-Cedrene	0.002		<LOQ
Isopulegol	0.002		<LOQ	alpha-Humulene	0.002		<LOQ
Linalool	0.002		<LOQ	alpha-Phellandrene	0.002		<LOQ
Nerol	0.002		<LOQ	alpha-Terpinene	0.002		<LOQ
Ocimene	0.000		<LOQ	Borneol	0.004		<LOQ
Pulegone	0.002		<LOQ	(R)-(+)-Limonene	0.002		<LOQ
Geraniol	0.002		<LOQ	Camphene	0.002		<LOQ
Sabinene	0.002		<LOQ	Camphors	0.006		<LOQ
Sabinene Hydrate	0.002		<LOQ	Caryophyllene oxide	0.002		<LOQ
Terpinolene	0.002		<LOQ	cis-Nerolidol	0.002		<LOQ
Total Terpineol	0.001		<LOQ	Eucalyptol	0.002		<LOQ
trans-Caryophyllene	0.002		<LOQ	Farnesene	0.002		<LOQ
trans-Nerolidol	0.002		<LOQ	Fenchone	0.002		<LOQ
Geranyl acetate	0.002		<LOQ	Valencene	0.002		<LOQ

Total Terpenes: 0.891 %

Mycotoxins

Specimen Weight: 180.100 mg

Passed
 (LCMS)

Heavy Metals

Specimen Weight: 253.500 mg

Passed
 (ICP-MS)

Dilution Factor: 8.329

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

Dilution Factor: 197

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

Xueli Gao
 Ph.D., DABT
 Lab Toxicologist

Aixia Sun
 D.H.Sc., M.Sc., B.Sc., MT (AAB)
 Lab Director/Principal Scientist



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License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

D8-HI LLC
232 DELL RANGE BLVD
CHEYENNE, WY 82009

Batch # 0125D8CART-WC
Batch Date: 2022-01-25

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # D8-220128-200001
Order Date: 2022-01-28
Sample # AACK568

Sampling Date: 2022-02-10
Lab Batch Date: 2022-02-10
Completion Date: 2022-02-14

Initial Gross Weight: 9.974 g
Net Weight: 1.100 g

Number of Units: 1
Net Weight per Unit: 1100.000 mg

Pesticides FL V4
Specimen Weight: 180.100 mg

Passed
(LCMS/GCMS)

Residual Solvents - FL (CBD)
Specimen Weight: 10.900 mg

Passed
(GCMS)

Dilution Factor: 8.329

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetamiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metaxyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlordane	10	100	<LOQ	Oxamyi	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Paclobutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallehrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethionphos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Sprolettramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiaclorpid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trioxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	Passed
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Pathogenic SAE (qPCR)

Specimen Weight: 243.570 mg

Passed
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Salmonella	1	Absence in 1g			
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g			
E.Coli	1	Absence in 1g			



Listeria Monocytogenes

Specimen Weight: 978.560 mg

Passed
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Xueli Gao
Xueli Gao | Lab Toxicologist
Ph.D., DABT

Aixia Sun
Aixia Sun | Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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PharmLabs San Diego Certificate of Analysis

1421 Hancock St, Second Floor, San Diego, CA 92110 | License: CO-0000998-LIC
 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #05568



Sample: Budd cartridge 1000mg
 Strawnana

Sample ID: SD220901-067 (31917)

Matrix: (Inhalable Cannabis Good)

Sampled: Received: Sep 07, 2023

Reported: Sep 07, 2023

Analyses executed: CAN20

Laboratory note: The estimated concentration of the unknown peak in the sample is 2% (Currently PharmLabs laboratory can not confirm an unknown peak in your sample(s) are due to interference (and/or) with the concentration of reference from which we believe is for either (+)-THC, (-)-THC, or (±)-THC. As this data shows are not reference compound(s) available for (+)-THC, (-)-THC, or (±)-THC compound from the matrix. The identification of this reference from our laboratory may have different efficiency using the most advanced instrumentation and techniques available. The separation of (+)-THC and (-)-THC is problematic for the scientific community, in which PharmLabs follows the United States Food & Drug Administration (FDA) guidance for (+)-THC, (-)-THC, and (±)-THC with the recovery, if not all, of the concentration being (+)-THC, Total (±)-THC concentration is estimated to be 4.55%.

CAN20 - Cannabinoids Analysis

Analyzed Sep 07, 2023 | Instrument HPLC
 Measurement Uncertainty at 95% confidence 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBDV)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	11.96	119.63
Cannabigerol Acid (CBGA)	0.001	0.16	0.79	7.90
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	0.78	7.82
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
exo-THC (exo-THC)	0.075	0.8	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.004	0.16	5.63	56.20
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Keradihydrocannabinol (S Isomer) (9s-THC)	0.017	0.16	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Δ9-Tetrahydrocannabinolhexol (Δ9-THCH)			ND	ND
Δ9-Tetrahydrocannabinophenol (Δ9-THCP)	0.017	0.16	ND	ND
Δ8-Tetrahydrocannabinophenol (Δ8-THCP)	0.041	0.16	ND	ND
Δ8-THC-O-acetate (Δ8-THC-O)	0.076	0.16	ND	ND
Δ9-THC-O-acetate (Δ9-THC-O)	0.066	0.16	ND	ND
Δ8-Tetrahydrocannabinolvarin (Δ8-THCV)			ND	ND
11-Hydroxy-Δ9-tetrahydrocannabinol (11-OH-Δ9-THC)			ND	ND
Total THC (THCa + Δ9-THC)			ND	ND
Total CBD (CBDA + CBD)			11.27	112.74
Total CBG (CBGA + CBG)			0.69	6.95
Total HHC (9r-HHC + 9s-HHC)			ND	ND
TOTAL CANNABINOIDS			15.79	157.66

*Dry Weight %

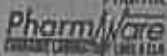
UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 YULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 THCC Test Numerous to Count



Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager



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PharmLabs San Diego Certificate of Analysis

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 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #001368



Sample ID: SD220901-067 (S1917)
 Matrix: (Inhalable Cannabis Good)

Sampled: [blank]
 Analytes executed: CAN20

Received: Sep 07, 2023

Reported: Sep 07, 2023

Legibility Note: The estimated concentration of the unknowns in the sample is 37%. Currently, PharmLabs does not confirm on unlabeled peaks in your sample. Our data interpretation only with the labeled peaks. The presence of unlabeled peaks may indicate the presence of other cannabinoids. At this time, there are no federal standard methods for (exo)-THC, (endo)-THC, or (endo)-THC. The presence of these cannabinoids may have affected the results. Using the most advanced equipment and techniques available, the separation of (exo)-THC and (endo)-THC is achievable for the majority of samples. In some situations, further confirmation of (exo)-THC and (endo)-THC with the results of (endo)-THC and (endo)-THC is recommended for the majority of samples. The results of (endo)-THC and (endo)-THC are provided for your information.

CAN20 - Cannabinoids Analysis

Analyzed: Sep 07, 2023 | Instrument: HLPC
 Measurement Uncertainty at 95% confidence: 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.001	0.16	ND	ND
Cannabidiol Acid (CBDA)	0.001	0.16	11.96	119.65
Cannabigerol Acid (CBGA)	0.001	0.16	0.79	7.90
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	0.78	7.82
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
exo-THC (exo-THC)	0.016	0.8	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.004	0.16	3.82	38.20
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (5:1:omer) (5r-HHC)	0.017	0.16	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R isomer) (9r-HHC)	0.016	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)			ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.017	0.16	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)	0.041	0.16	ND	ND
Δ8-THC-O-acetate (Δ8-THC-O)	0.076	0.16	ND	ND
Δ9-THC-O-acetate (Δ9-THC-O)	0.066	0.16	ND	ND
Δ8-Tetrahydrocannabinol (Δ8-THC)			ND	ND
11-Hydroxy-Δ9-Tetrahydrocannabinol (11-OH-Δ9-THC)			ND	ND
Total THC (THC + Δ8-THC)			ND	ND
Total CBD (CBD + CBDA)			11.27	112.74
Total CBG (CBG + CBGA)			0.69	6.95
Total HHC (5r-HHC + 9r-HHC)			ND	ND
TOTAL CANNABINOIDS			15.79	157.86

*Dry Weight %

UI Not Identified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 NULOL Above upper limit of linearity
 CFU/g Colony Forming Units per g
 ppm
 THC 1 is Numerous to Count



Authorized Signature:

Brandon Starr

Brandon Starr, Lab Manager

PharmLabs San Diego | 3421 Hancock St. Second Floor, San Diego, CA 92110 | 619.356.0891 | ISO/IEC 17025:2017 Certification L17-427-1



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CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 71252
 Order Name: Horse Liniment
 Batch#: 07042101
 Received: 02/04/2021
 Completed: 02/13/2021



Sample



N/D
 D9-THC

N/D
 Total CBD

Cannabinoids Test

SHIMADZU INTEGRATED UPLC PDA
 GSL SCP 400

UPLOADED: 02/12/2021 17:18:44

Cannabinoids	LOQ	weight (%)	mg/g
D9-THC	10 PPM	N/D	N/D
THCA	10 PPM	N/D	N/D
CBD	10 PPM	N/D	N/D
CBDa	20 PPM	N/D	N/D
CBDV	20 PPM	N/D	N/D
CBC	10 PPM	N/D	N/D
CBN	10 PPM	N/D	N/D
CBG	10 PPM	N/D	N/D
CBGA	20 PPM	N/D	N/D
D8-THC	10 PPM	N/D	N/D
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		N/D	N/D
TOTAL CBD*		N/D	N/D
TOTAL CANNABINOIDS		N/D	N/D



Reporting Limit 10 ppm
 *Total CBD = CBD + CBDa x 0.877
 N/D - Not Detected, B.L.O.Q. - Below Limit of Quantification

Dr. Andrew Hall, Ph.D. Chief Scientific Officer

Ben Witten, MS, MT, Lab Director

Green Scientific Labs
 info@greenscientificlabs.com
 1-833-TEST-CBD



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CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 68962
 Order Name: Horsey Treats
 Batch#: 01 Annual Review
 115921
 Received: 6/20/23
 Completed: 6/21/23



Sample



<p>N/D DB-THC</p>	<p>0.085% Total CBD</p>
<p>10.2 mg Cannabinoids per treat</p>	<p>10.2 mg CBD per treat</p>

1 treat = 12 grams per treat x Cannabinoid concentration

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-MS
 BSL SOP 420

Cannabinoids	LOQ	weight(%)	mg/g	mg/treat
DB-THC	15 PPM	N/D	N/D	N/D
THCA	15 PPM	N/D	N/D	N/D
CBD	10 PPM	0.085%	0.846	10.2
CBDa	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	N/D	N/D	N/D
CBC	15 PPM	N/D	N/D	N/D
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	N/D	N/D	N/D
CBGA	20 PPM	N/D	N/D	N/D
DB-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL DB-THC		N/D	N/D	N/D
TOTAL CBD*		0.085%	0.846	10.2
TOTAL CANNABINOIDS		0.085%	0.846	10.2



Reporting Limit: 10 ppm
 *Total CBD = CBD + CBDa x 0.877
 N/D - Not Detected, B.L.O.O. - Below Limit of Quantification

Andrew Hall
 Dr. Andrew Hall, Ph.D. Chief Scientific Officer

Ben Wilson
 Ben Wilson, MS, AT, Lab Director

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BEYOND COMPLIANCE

Order #: TRU200604-100060 Order Date: 2023-06-04 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
Sample #: AAAH506
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: Pet Peanut Butter Chew 300mg

Initial Gross Weight: 75033 mg
Net Weight: 27176 mg
Density: .94263 mg/ml
Method: SOP-3



Potency Tested	Heavy Metals Passed	Mycotoxins Passed
Pathogenic Microbiology Passed	Residual Solvents Passed	Listeria Monocytogenes Passed
Pesticides Passed		



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

CBD Total 1.3230% 338.9118mg	THC Total 0.0518% 13.2798mg	CBG Total Not Detected
CBN Total Not Detected	Other Cannabinoids 0.0480% 12.3064mg	Total Cannabinoids 1.4229% 364.4979mg

Potency - 11 (Tested)

(HPLC/LCMSMS)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.453	0.048	0.001	CBD	12.471	1.323	0.001	CBDA	<LOQ		0.001
CBDV	<LOQ		0.001	CBG	<LOQ		0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8 THC	<LOQ		0.001	Delta-9 THC	0.489	0.052	0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	12.471	1.323	0.001
Total THC	0.489	0.052	0.001								

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Total (mg) = Total (%) * 100 * Net Weight(mg) (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation

Xueli Gao

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixia Sun

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Principal Scientist

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 BEYOND COMPLIANCE

Order #: TRU200604-100060 Order Date: 2023-06-05 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
 Sample #: AAAH506
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Hemp
 Description: Pet Peanut Butter Chew 300mg

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed)

(Micro Array)

Analyte	Result	Analyte	Result
Salmonella	Absence	STEC E. Coli	Absence

Xueli Gao
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 Extracted From: Hemp
 Description: Pet Peanut Butter Chew 300mg

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Residual Solvents (Extract Only) (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

(ppm) = Parts per Million, (µg/g), LOQ = Limit of Quantitation

Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Remark
Listeria Monocytogenes	Absence

Xueli Gao Lab Toxicologist
 Ph.D., DABT

Aixia Sun Principal Scientist
 D.H.Sc., M.Sc., B.Sc., MT (AAB)

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 BEYOND COMPLIANCE

Order #: TRU200604-100060

Order Date: 2023-06-04

Collection Date: 2023-06-05

Report Date: 2023-06-11

Batch #: 09
 Sample #: AAAH506
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Hemp
 Description: Pet Peanut Butter Chew 300mg

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/MS)

Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ
Abamectin	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifentazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbofuran	100	<LOQ	10
Chlorantranilprole	3000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chloromequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30
Cypermethrin	1000	<LOQ	30	Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30
Dichlorvos	100	<LOQ	30	Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30
Ethoprophos	100	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48
Fenhexamid	3000	Passed	10	Etofenprox	100	<LOQ	30	Etoazole	1500	<LOQ	30
Fipronil	100	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30
Hexythiazox	2000	<LOQ	30	Flonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48
Kresoxim Methyl	1000	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30
Methiocarb	100	<LOQ	30	Malathion_A	1000	<LOQ	30	Metalaxyl	3000	<LOQ	10
Mevinphos	100	<LOQ	10	Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30
Permethrin	1000	<LOQ	30	Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10
Prallethrin	400	<LOQ	30	Phosmet	200	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Propiconazole	1000	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	3000	<LOQ	30	Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Spiroxamine	100	<LOQ	30	Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30
Thiamethoxam	1000	<LOQ	30	Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30
				Trifloxystrobin	3000	<LOQ	30				

, LOQ = Limit of Quantitation

Xueli Gao

Xueli Gao
 Ph.D., DABT

Lab Toxicologist

Aixia Sun

Aixia Sun
 D.H.Sc., M.Sc., B.Sc., MT (AAB)

Principal Scientist

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 BEYOND COMPLIANCE

Order #: TRU200604-100060 Order Date: 2023-06-04 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
 Sample #: AAAH506
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Hemp
 Description: 300 mg pet tincture (Peanut Butter)

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Potency Tested	Heavy Metals Passed	Mycotoxins Passed
Pathogenic Microbiology Passed	Residual Solvents Passed	Listeria Monocytogenes Passed
Pesticides Passed		



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

CBD Total 1.3230% 338.9118mg	THC Total 0.0518% 13.2798mg	CBG Total Not Detected
CBN Total Not Detected	Other Cannabinoids 0.0480% 12.3064mg	Total Cannabinoids 1.4229% 364.4979mg

Potency - 11 (Tested)

(HPLC/LCMSMS)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.453	0.048	0.001	CBD	12.471	1.323	0.001	CBDA	<LOQ		0.001
CBDV	<LOQ		0.001	CBG	<LOQ		0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8 THC	<LOQ		0.001	Delta-9 THC	0.489	0.052	0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	12.471	1.323	0.001
Total THC	0.489	0.052	0.001								

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBG + CBDV + THCV + THCV-A, *Total (mg) = Total (%) * 100 * Net Weight(mg) (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation

Xueli Gao

Xueli Gao Lab Toxicologist
 Ph.D., DABT

Aixia Sun

Aixia Sun Principal Scientist
 D.H.Sc., M.Sc., B.Sc., MT (AAB)

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 BEYOND COMPLIANCE

Order #: TRU200604-100060

Order Date: 2023-06-05

Collection Date: 2023-06-05

Report Date: 2023-06-11

Batch #: 09

Sample #: AAAH506

Specimen Type: CBD/HEMP Derivative Products (Ingestion)

Extracted From: Hemp

Description: 300 mg pet tincture

Initial Gross Weight: 75033 mg

Net Weight: 27176 mg

Density: .94263 mg/ml

Method: SOP-3



Heavy Metals (Passed)

						(ICP-MS)					
Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Mycotoxins (Passed)

						(LCMS/MS)					
Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed)

(Micro Array)

Analyte	Result	Analyte	Result
Salmonella	Absence	STEC E. Coli	Absence

Xueli Gao

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 Ph.D., DABT

Lab Toxicologist

Aixia Sun

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Order #: TRU200604-100060 Order Date: 2023-06-04 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
 Sample #: AAH506
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Hemp
 Description: 300 mg pet tincture

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Residual Solvents (Extract Only) (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

(ppm) = Parts per Million, (µg/g), , LOQ = Limit of Quantitation

Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Remark
Listeria Monocytogenes	Absence

Xueli Gao
 Ph.D., DABT

Lab Toxicologist

Aixia Sun
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Order #: TRU200604-100060

Order Date: 2023-06-04

Collection Date: 2023-06-05

Report Date: 2023-06-11

Batch #: 09
Sample #: AAAH506
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: 300 mg pet tincture

Initial Gross Weight: 75033 mg
Net Weight: 27176 mg
Density: .94263 mg/ml
Method: SOP-3



Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/MS)

Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ
Abamectin	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifenazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbofuran	100	<LOQ	10
Chlorantraniliprole	3000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chloromequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30
Cypermethrin	1000	<LOQ	30	Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30
Dichlorvos	100	<LOQ	30	Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30
Ethoprophos	100	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48
Fenhexamid	3000	Passed	10	Etofenprox	100	<LOQ	30	Etoxazole	1500	<LOQ	30
Fipronil	100	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30
Hexythiazox	2000	<LOQ	30	Flonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48
Kresoxim Methyl	1000	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30
Methiocarb	100	<LOQ	30	Malathion_A	1000	<LOQ	30	Metalaxyl	3000	<LOQ	10
Mevinphos	100	<LOQ	10	Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30
Permethrin	1000	<LOQ	30	Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10
Prallethrin	400	<LOQ	30	Phosmet	200	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Propiconazole	1000	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	3000	<LOQ	30	Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Spiroxamine	100	<LOQ	30	Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30
Thiamethoxam	1000	<LOQ	30	Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30
				Trifloxystrobin	3000	<LOQ	30				

. LOQ = Limit of Quantitation

Xueli Gao

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TRUHARVEST FARMS
1771 FLANAGAN DR
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CHRISTIANSBURG, VA 24073

Certificate of Analysis

ACS
LABORATORY | CANNABIS & HEMP
BEYOND COMPLIANCE

Order #: TRU200604-100060 Order Date: 2023-06-04 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
Sample #: AAAH506
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Hemp
Description: 300 mg pet tincture (Natural)

Initial Gross Weight: 75033 mg
Net Weight: 27176 mg
Density: .94263 mg/ml
Method: SOP-3



Potency Tested	Heavy Metals Passed	Mycotoxins Passed
Pathogenic Microbiology Passed	Residual Solvents Passed	Listeria Monocytogenes Passed
Pesticides Passed		



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

CBD Total 1.3230% 338.9118mg	THC Total 0.0518% 13.2798mg	CBG Total Not Detected
CBN Total Not Detected	Other Cannabinoids 0.0480% 12.3064mg	Total Cannabinoids 1.4229% 364.4979mg

Potency - 11 (Tested)

Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.453	0.048	0.001
CBDV	<LOQ	0.001	
CBN	<LOQ	0.001	
THCA-A	<LOQ	0.001	
Total THC	0.489	0.052	0.001

(HPLC/LCMSMS)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBD	12.471	1.323	0.001	CBDA	<LOQ	0.001	
CBG	<LOQ	0.001		CBGA	<LOQ	0.001	
Delta-8 THC	<LOQ	0.001		Delta-9 THC	0.489	0.052	0.001
THCV	<LOQ	0.001		Total CBD	12.471	1.323	0.001

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCv + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCv + THCV-A, *Total (mg) = Total (%) ÷ 100 * Net Weight(mg) (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation

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 BEYOND COMPLIANCE

Order #: TRU200604-100060 Order Date: 2023-06-05 Collection Date: 2023-06-05 Report Date: 2023-06-11

Batch #: 09
 Sample #: AAAH506
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Hemp
 Description: 300 mg pet tincture

Initial Gross Weight: 75033 mg
 Net Weight: 27176 mg
 Density: .94263 mg/ml
 Method: SOP-3



Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS/MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed)

(Micro Array)

Analyte	Result	Analyte	Result
Salmonella	Absence	STEC E. Coli	Absence

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Residual Solvents (Extract Only) (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

(ppm) = Parts per Million, (ppm) = (µg/g), LOQ = Limit of Quantitation

Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Remark
Listeria Monocytogenes	Absence

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Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/MS)

Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ	Analyte	Action Level	Result	LOQ
Abamectin	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifentazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbofuran	100	<LOQ	10
Chlorantranilprole	3000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chloromequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30
Cypermethrin	1000	<LOQ	30	Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30
Dichlorvos	100	<LOQ	30	Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30
Ethoprophos	100	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48
Fenhexamid	3000	Passed	10	Etofenprox	100	<LOQ	30	Etoxazole	1500	<LOQ	30
Fipronil	100	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30
Hexythiazox	2000	<LOQ	30	Flonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48
Kresoxim Methyl	1000	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30
Methiocarb	100	<LOQ	30	Malathion A	1000	<LOQ	30	Metalaxyl	3000	<LOQ	10
Mevinphos	100	<LOQ	10	Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30
Permethrin	1000	<LOQ	30	Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10
Prallethrin	400	<LOQ	30	Phosmet	200	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Propiconazole	1000	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	3000	<LOQ	30	Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Spiroxamine	100	<LOQ	30	Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30
Thiamethoxam	1000	<LOQ	30	Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30
				Trifloxystrobin	3000	<LOQ	30				

LOQ = Limit of Quantitation

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