

Chain of Custody Packet

Delta 8

Joseph Reiben, Esq.
1122 Olympia Avenue, Unit B
Longmont, CO 80504

March 23, 2021

To Whom It May Concern:

The undersigned is counsel to Alpha Omega Collectis, a limited liability in Aurora ("AOC"), its partners, affiliates, or other companies or individuals working in conjunction with AOC.

It is understood that, for the purposes described herein, SE has or will be engaging in production and/or sale of hemp products containing, in part, Delta 8 THC ("D8"), a cannabinoid derivative of both cannabidiol ("CBD") and Delta 9 THC ("D9").

Definition

D8 is defined by the National Cancer Institute as "[A]n analogue of tetrahydrocannabinol (THC) with antiemetic, anxiolytic, appetite-stimulating, analgesic, and neuroprotective properties. . .[that] exhibits a lower psychotropic potency than delta-9-tetrahydrocannabinol (delta-9-THC), the primary form of THC found in cannabis. (<https://ncit.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI%20Thesaurus&code=C61312>). In layman's terms, it is a cannabinoid that appears naturally in hemp plants in trace amounts, is more stable chemically than D9, and gives the user less of a psychotropic effect than D9, or what we commonly refer to as THC.

Controlling Legislation

CSA

Under section 102(16) of the Controlled Substances Act ("CSA"), Marihuana is classified as a Schedule 1 controlled substance. Marihuana is defined as:

(16)(A) Subject to subparagraph (B), the term "marihuana" means all parts of the plant *Cannabis sativa* L., whether growing or not; the seeds thereof; the resin extracted from any part of such plant; and every compound, manufacture, salt, derivative, mixture, or preparation of such plant, its seeds or resin.

(B) The term "marihuana" does not include—

(i) hemp, as defined in section 1639o of title 7; or

(ii) the mature stalks of such plant, fiber produced from such stalks, oil or cake made from the seeds of such plant, any other compound, manufacture, salt, derivative, mixture, or preparation of such mature stalks (except the resin extracted therefrom), fiber, oil, or cake, or the sterilized seed of such plant which is incapable of germination.

Further, Section 202(c) of the CSA, which defines THC as a Schedule 1 substance, allows for tetrahydrocannabinols found in hemp and hemp derivatives to be specifically excluded from the purview of the CSA, and instead defers to the Farm Bill, as discussed herein.

Agriculture Improvement Act of 2018

Under the Agriculture Improvement Act of 2018 (the "Farm Bill"), The term "Hemp" as used was defined as "[t]he plant *Cannabis sativa* L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9-tetrahydrocannabinol ("THC") concentration of not more than 0.3 percent on a dry weight basis." This definition includes products such as isolates and distillates created from the hemp plant, which contain a variety of isomers, including D8.

This distinction is important for a number of reasons, but for the purposes of this letter, it serves to:

1. Remove hemp and its derivatives, including D8, from the Controlled Substances Act and reclassify them as legal under the Farm Bill; and
2. Specifically defines THC as a schedule 1 substance, intentionally excluding hemp and other cannabinoids from that definition.

Analysis and Conclusion

From these two pieces of legislation, it is clear that D9, or THC, has not been removed from the CSA as a Schedule 1 substance, nor has its definition been altered in any way.

The removal of hemp from the CSA and its de-scheduling of it as a Schedule 1 substance reclassifying it under the Farm Bill, however, has the effect of de-scheduling cannabinoids found in hemp as well, subject to the restrictions set forth therein. While the Farm Bill does not mention D8 explicitly, it must be inferred that, as a hemp derivative, any product containing D8 must be legal for use so long as it contains less than 0.3% D9 on a dry weight basis. From this we can infer that any product AOC produces or sells that contains less than 0.3% D9 meets this legal standard and should be considered a legal or viable product

under the Farm Bill, since Congress amended the CSA to only address D9 THC as a controlled substance.

Lastly, should one take the position that D8 and D9 are legally equivalent under the Farm Bill, one only needs to look at the amended definition of tetrahydrocannabinols in the 2018 Farm Bill, where hemp and its derivatives, including D8, are excluded from that definition. This exclusion provides AOC with an extra layer of security from those who would interpret D8 as being an illegal substance under the Farm Bill.

In conclusion, it is my legal opinion and the stance of our firm that any and all products containing hemp and its derivatives, including D8, must be construed as legal for use so long as they adhere to the 0.3% D9 by dry weight standard set forth in the Farm Bill.

Should you have any questions or need further information, please do not hesitate to contact us via phone or email.

Very Truly Yours,

A handwritten signature in black ink, consisting of a stylized initial 'J' followed by a horizontal line that tapers to the right.

Joseph R. Reiben

The Farm

DELIA JIMENEZ CIOC
ASSISTANT AGRICULTURAL COMMISSIONER | SEALER
DANIEL DELGADO
DEPUTY AGRICULTURAL COMMISSIONER | SEALER
ERIK DOWNS
DEPUTY AGRICULTURAL COMMISSIONER | SEALER
MISAEEL MARTINEZ
DEPUTY AGRICULTURAL COMMISSIONER | SEALER



RUBEN J. ARROYO
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

7/27/2020

Subject: Amendment for approved cultivars

Enclosed is the proof of registration for industrial hemp cultivation as a Grower.

The following cultivation sites and approved seed cultivars are registered:

Keep this letter along with the proof of registration to document the registered cultivation sites.

In accordance to Sections 81003(c)-(d) and 81004(c)-(d) of the California Food and Agricultural Code, registrants must submit a request, prior to planting, for any changes to the cultivation site(s) and/or approved seed cultivar(s) to us. We will notify you when the changes to the application have been approved.

In accordance with Section 81006 of the California Food and Agricultural Code, registrants are required to obtain a laboratory test report indicating the THC content prior to harvest. Sampling must occur no more than 30 days before harvest. Please contact us 30 days before you intend to harvest for further guidance.

If you have any questions, please contact us at 951-955-3045

The CBD Biomass



673 N. Bardstown Rd
Mount Washington, KY, 40047, United States

Kaycha Labs

Matrix: Flower

Certificate of Analysis

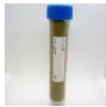
Jul 07, 2020 |

Sample Size Received: 10 gram
Retail Product Size: 10
Ordered : 07/02/20
Sampled : 07/02/20
Completed: 07/07/20 Expires: 07/07/21
Sampling Method: SOP Client Method

PASSED

Page 1 of 4

PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
NOT TESTED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.295%



Total CBD
9.374%



Total Cannabinoids
10.864%

DB-THC	THCA	CBD	CBDA	DB-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
0.115%	0.206%	1.704%	8.746%	ND	ND	ND	ND	0.093%	ND	ND
1.150 mg/g	2.060 mg/g	17.040 mg/g	87.460 mg/g	ND	ND	ND	ND	0.930 mg/g	ND	ND
LOD 0.0001	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%

Filtration **PASSED**

Analyzed By: NA Weight: NA Extraction date: NA LOD(ppm): NA Extracted By: NA
Analysis Method: SOP.T.40.013 Batch Date: Reviewed On: 07/06/20 13:50:31
Analytical Batch: NA Instrument Used:

This includes but is not limited to heat, insects, fungi, packaging contaminants, and manufacturing waste and by-products. An ISO-2875 Steris Microspace is used for inspection.

Cannabinoid Profile Test

Analyzed by: 19 Weight: 0.208g Extraction date: 07/06/20 05:07:07 Extracted By: 19
Reviewed On: 07/07/20 15:36:17
HPLC Potency Analyzer Batch Date: 07/06/20 11:42:09

Reagent: 061726.01 Dilution: 40 Consums. ID: 062528.002

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

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David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation # 17025:2017

David Greene
Signature

07/07/2020
Signed On



673 N. Bardstown Rd
Mount Washington, KY, 40047, United States

Kaycha Labs

Matrix : Flower

Certificate of Analysis

PASSED

Sample Size Received : 10 gram
Completed : 07/07/20 Expires: 07/07/21
Sample Method : SOP Client Method

Page 2 of 4

Terpenes TESTED

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.005	%	ND	SABINENE HYDRATE	0.01	%	ND
ALPHA-HUMULENE	0.005	%	0.021	TERPINEOL	0.005	%	ND
ALPHA-PINENE	0.005	%	0.027	TERPINOLENE	0.005	%	ND
ALPHA-TERPINENE	0.005	%	ND	TRANS-CARYOPHYLLENE	0.005	%	0.070
BETA-MYRCENE	0.005	%	0.022	TRANS-NEROLIDOL	0.005	%	ND
BETA-PINENE	0.005	%	0.009	VALENCENE	0.005	%	ND
BORNEOL	0.01	%	ND				
CAMPHENE	0.005	%	ND				
CAMPHOR	0.01	%	ND				
CARYOPHYLLENE OXIDE	0.005	%	0.014				
CEDROL	0.005	%	ND				
ALPHA-BISABOLOL	0.005	%	0.033				
ISOPULEGOL	0.01	%	ND				
CIS-NEROLIDOL	0.005	%	ND				
3-CARENE	0.005	%	ND				
FENCHYL ALCOHOL	0.005	%	ND				
HEXAHYDROTHYMOL	0.005	%	ND				
EUCALYPTOL	0.005	%	ND				
ISOBORNEOL	0.005	%	ND				
FENCHONE	0.01	%	ND				
GAMMA-TERPINENE	0.005	%	ND				
GERANIOL	0.005	%	ND				
GERANYL ACETATE	0.01	%	ND				
GUAIOL	0.005	%	ND				
LIMONENE	0.005	%	ND				
LINALOOL	0.01	%	ND				
NEROL	0.005	%	ND				
OCIMENE	0.005	%	ND				
ALPHA-PHELLANDRENE	0.005	%	ND				
PULEGONE	0.005	%	ND				
SABINENE	0.005	%	ND				
Total		0.196					

Terpenes TESTED

Analyzed by: 18
Weight: 0.961g
Extraction date: 07/06/20 01:07:17
Extracted By: 18

Reviewed On - 07/07/20 12:28:54
Instrument Used : GCMS8050 with Liquid Handler
Batch Date : 07/06/20 13:22:10

Reagent Dilution Consums. ID

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

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David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation # 17025:2017

David Greene
Signature

07/07/2020
Signed On



673 N. Bardstown Rd
Mount Washington, KY, 40047, United States

Kaycha Labs

Matrix : Flower

Certificate of Analysis

PASSED

Sample Size Received : 10 gram
Completed : 07/07/20 Expires: 07/07/21
Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.020	ppm	0.5	ND
ACEPHATE	0.010	ppm	0.5	ND
ACEQUINOXYL	0.02	ppm	2	ND
ACETAMIPRID	0.010	ppm	0.2	ND
ALDICARB	0.020	ppm	0.4	ND
AZOXYSTROBIN	0.010	ppm	0.2	ND
BIFENAZATE	0.010	ppm	0.2	ND
BIFENTHRIN	0.010	ppm	0.2	ND
BOSCALID	0.005	ppm	0.4	ND
CARBARYL	0.010	ppm	0.2	ND
CARBOFURAN	0.010	ppm	0.2	ND
CHLORANTRANILIPROLE	0.010	ppm	0.2	ND
CHLORPYRIFOS	0.010	ppm	0.2	ND
CLOFENTEZINE	0.010	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.2	ND
CYPERMETHRIN	0.010	ppm	1	ND
DAMINOZIDE	0.010	ppm	1	ND
DIAZANON	0.010	ppm	0.2	ND
DICHLORVOS	0.050	ppm	0.1	ND
DIMETHOATE	0.010	ppm	0.2	ND
DIMETHOMORPH	0.005	ppm	0.1	ND
ETHOPROPHOS	0.010	ppm	0.2	ND
ETOFENPROX	0.010	ppm	0.4	ND
ETOXAZOLE	0.010	ppm	0.2	ND
FENHEXAMID	0.005	ppm	0.1	ND
FENOXYCARB	0.010	ppm	0.2	ND
FENPYROXIMATE	0.010	ppm	0.4	ND
FIPRONIL	0.020	ppm	0.4	ND
FLONICAMID	0.010	ppm	1	ND
FLUDIOXONIL	0.010	ppm	0.4	ND
HEXYTHIAZOX	0.010	ppm	1	ND
IMAZALIL	0.010	ppm	0.2	ND
IMIDACLOPRID	0.010	ppm	0.4	ND
KRESOXIM-METHYL	0.010	ppm	0.4	ND
MALATHION	0.010	ppm	0.2	ND
METALAXYL	0.010	ppm	0.2	ND
METHIOCARB	0.010	ppm	0.2	ND
METHOMYL	0.010	ppm	0.6	ND
MEVINPHOS	0.010	ppm	0.1	ND
MYCLOBUTANIL	0.010	ppm	0.2	ND
NALED	0.010	ppm	0.5	ND
OXAMYL	0.010	ppm	1	ND
PACLOBUTRAZOL	0.010	ppm	0.4	ND
PERMETHRINS	0.050	ppm	1	ND
PHOSMET	0.010	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.010	ppm	3	ND

Pesticides	LOD	Units	Action Level	Result
PRALLETHRIN	0.050	ppm	0.2	ND
PROPICONAZOLE	0.010	ppm	0.4	ND
PROPOXUR	0.010	ppm	0.2	ND
PYRETHRIN I	0.010	ppm	1	ND
PYRIDABEN	0.005	ppm	0.2	ND
SPINETORAM	0.005	ppm	0.5	ND
SPINOSAD (SPINOSYN A)	0.010	ppm	0.2	ND
SPINOSAD (SPINOSYN D)	0.010	ppm	0.2	ND
SPIROMESIFEN	0.010	ppm	0.2	ND
SPIROTETRAMAT	0.020	ppm	0.2	ND
SPIROXAMINE	0.010	ppm	0.4	ND
TEBUCONAZOLE	0.010	ppm	0.4	ND
THIACLOPRID	0.010	ppm	0.2	ND
THIAMETHOXAM	0.010	ppm	0.5	ND
TRIFLOXYSTROBIN	0.010	ppm	0.2	ND

Pesticides PASSED

Analyzed by	Weight	Extraction date	Extracted By
g	1.0019g	07/06/20 02:07:01	g

Instrument Used : LCMSMS 8060 P
Batch Date : 07/06/20 13:44:14
Reviewed On: 07/06/20 13:50:31

Reagent	Dilution	Consums. ID
LCMSMS.D		
MSDCHEM.D		
MSDCHEM.D		
MSDCHEM.D		

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).¹⁴

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David Greene
Lab Director
State License # 19-05-02P
ISO Accreditation # 17025:2017

David Greene
Signature

07/07/2020
Signed On



673 N. Bardstown Rd
Mount Washington, KY, 40047, United States

Kaycha Labs

Trump
N/A
Matrix : Flower

Certificate of Analysis

PASSED

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Sampled : 07/02/20
Ordered : 07/02/20

Sample Size Received : 10 gram
Completed : 07/07/20 Expires: 07/07/21
Sample Method : SOP Client Method

Mycotoxins **PASSED**

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.001	ppm	ND	0.02
AFLATOXIN G1	0.001	ppm	ND	0.02
AFLATOXIN B2	0.001	ppm	ND	0.02
AFLATOXIN B1	0.001	ppm	ND	0.02
OCHRATOXIN A+	0.001	ppm	ND	0.02

Reagent

060420.11
060420.15
060420.01
060420.05
060420.12
060420.07

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological impurity testing.

Instrument Used :
Batch Date : 07/06/20 13:44:53

Analyzed by	Weight	Extraction date	Extracted By
9	1g	NA	NA

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/kg. Ochratoxins must be <20µg/kg.



Heavy Metals **PASSED**

Reagent

110119.52
110119.44
112519.01
110119.36

Microbials **PASSED**

Analyte
ASPERGILLUS TERREUS_1J2
ASPERGILLUS NIGER
ASPERGILLUS FUMIGATUS
ASPERGILLUS FLAVUS
SALMONELLA_SPECIFIC_GENE
ESCHERICHIA_COLI_SHIGELLA_SPP

Result

not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	10
CADMIUM	0.02	ppm	ND	4.1
LEAD	0.02	ppm	ND	10
MERCURY	0.02	ppm	ND	2

Analyzed by	Weight	Extraction date	Extracted By
18	0.511g	07/07/20 10:07:49	18

Instrument Used : ICP-MS 2030
Batch Date : 07/07/20 10:50:08

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.

Instrument Used : PathogenDX
Batch Date : 07/07/20 09:46:11

Analyzed by	Weight	Extraction date	Extracted By
1	1g	NA	NA

Reagent	Dilution	Consums. ID
060420.10		
060420.14		

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David Greene

Lab Director

State License # 19-05-02P

ISO Accreditation #
17025:2017

Signature

07/07/2020

Signed On

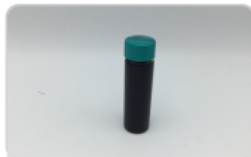
CBD Crude Oil

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104



Received: 08/14/2020
 Completed: 08/18/2020

Sample



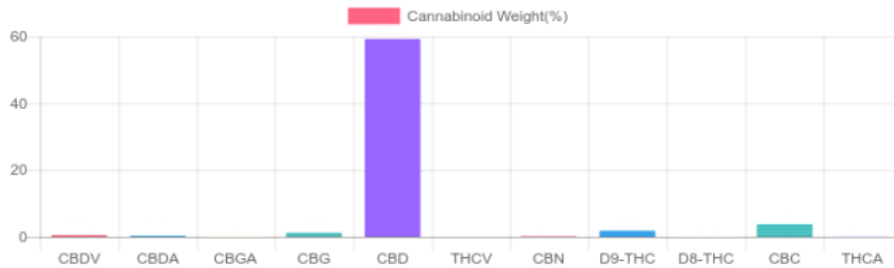
1.80%
D9-THC

59.44%
Total CBD

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400 PREPARED: 08/14/2020 20:40:17 UPLOADED: 08/17/2020 16:54:00

Cannabinoids	LOQ	weight(%)	mg/g
D9-THC	10 PPM	1.80%	17.96
THCA	10 PPM	0.08%	0.76
CBD	10 PPM	59.17%	591.75
CBDA	20 PPM	0.31%	3.06
CBDV	20 PPM	0.53%	5.32
CBC	10 PPM	3.80%	37.96
CBN	10 PPM	0.18%	1.82
CBG	10 PPM	1.23%	12.28
CBGA	20 PPM	0.05%	0.54
D8-THC	10 PPM	0.03%	0.25
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		1.80%	1.80%
TOTAL CBD*		59.44%	594.43
TOTAL CANNABINOIDS		67.18%	671.70



Reporting Limit 100 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B.LOQ - 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



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.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Received: 08/14/2020
Completed: 08/18/2020

PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 08/14/2020 20:53:26

UPLOADED: 08/17/2020 15:34:04

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100	N/D	0.010	0.005
ACEQUINOCYL	0.100	N/D	0.001	0.001	MALATHION	0.500	N/D	0.005	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001	METALAXYL	2.000	N/D	0.001	0.001
ALDICARB	0.100	N/D	0.005	0.001	METHIOCARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	0.051	0.001	0.001	METHOMYL	1.000	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001	MYCLOBUTANIL	0.100	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001	NALED	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.001	0.001
CARBOFURAN	0.100	N/D	0.001	0.001	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PERMETHRINS	0.500	N/D	0.005	0.001
CHLORPYRIFOS	0.100	N/D	0.001	0.001	PHOSMET	0.100	N/D	0.005	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001	PIPERONYL				
DAMINOZIDE	0.100	N/D	0.005	0.001	BUTOXIDE	3.000	0.175	0.001	0.001
DIAZINON	0.100	N/D	0.001	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOATE	0.100	N/D	0.001	0.001	PROPOXUR	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001	PYRETHRINS				
ETHOPROPHOS	0.100	N/D	0.001	0.001	(PYRETHRIN I)	0.500	N/D	0.005	0.005
ETOFENPROX	0.100	N/D	0.001	0.001	PYRIDABEN	0.100	N/D	0.005	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005	SPINETORAM	0.100	N/D	0.001	0.001
FENHEXAMID	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.001	0.001
FENOXYCARB	0.100	N/D	0.005	0.001	SPIROMESIFEN	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001	SPIROTETRAMAT	0.100	N/D	0.001	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010	TEBUCONAZOLE	0.100	N/D	0.005	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	THIACLOPRID	0.100	N/D	0.001	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001	THIAMETHOXAM	5.000	N/D	0.001	0.001
IMAZALIL	0.100	N/D	0.005	0.001	TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

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

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.

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104



Received: 08/14/2020
 Completed: 08/18/2020

RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405
 Prepared: 08/14/2020 21:21:09
 Uploaded: 08/17/2020 14:52:42

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.63
1,2- DICHLOROETHANE	2	N/D	0.12	0.02
ACETONE	5,000	208	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	B/LOQ	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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ISO/IEC 17025:2017 ACCREDITATION #103104



Received: 08/14/2020
Completed: 08/18/2020

Microbial Analysis:

PCR - Agilent AriaMX

Microbial Analysis GSL SOP 406

Uploaded: 08/18/2020 18:08:30

MICROBIAL ANALYSIS:

PCR - Agilent AriaMX

Test	SOP	Test Method	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
ASPERGILLUS FUMIGATUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS TERREUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS FLAVUS***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
ASPERGILLUS NIGER***	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
STEC E. COLI*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS
SALMONELLA*	406.01	USP 61/62†	ARIAMX PCR	1 CFU/G**	DETECT/NOT DETECTED	NOT DETECTED	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)
* STEC and Salmonella run as Multiplex
** CFU/g Calculation based on MIP/Extract matrix
*** Flavus = 2 Copies of DNA / Fumigatus = 2 Copies of DNA Niger = 20 Copies of DNA / Terres = 10 copies of DNA

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1-833 TEST CBD



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CERTIFICATE OF ANALYSIS

ISO/IEC 17025:2017 ACCREDITATION #103104



Received: 08/14/2020
Completed: 08/18/2020

Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060
GSL SOP 401

Uploaded: 08/17/2020 15:34:02

Analyte	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	20	N/D
AFLATOXIN B2	20	N/D
AFLATOXIN G1	20	N/D
AFLATOXIN G2	20	N/D
OCHRATOXIN A	20	N/D

LOQ is 1ppb, LOD is 1ppb

Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030
GSL SOP 403

Uploaded: 08/17/2020 17:54:06

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	1,500	B/LOQ
CADMIUM (CD)	2,500	B/LOQ
MERCURY (HG)	1,500	B/LOQ
LEAD (PB)	5,000	115

Lower Limit of Quantitation (LOQ) is 75 ppb

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1-833 TEST CBD



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CBD Distillate

Gobi Hemp

Analytical Report - Certificate of Analysis



Manifest: 2102110006
Sample Id: 1A-GHEMP-2102110006-0001
Sample Name: DD02102021
Sample Type: Concentrate

Test Performed: Hemp Lab
Receive Date: 2021-02-11
Test Date: 2021-02-15
Report Date: 2021-02-16
Sample Condition: Good
Method Reference: GH-OP-06

Scope

The content of sixteen cannabinoids was determined by an in-house developed method for solvent extraction followed by High Performance Liquid Chromatography with Diode Array Detection.

Cannabinoids	Percent	mg/gram
CBDV	0.51	5.11
CBDA	ND	ND
CBGA	ND	ND
CBG	2.06	20.59
CBD	81.86	818.57
THCV	ND	ND
CBN	1.59	15.90
Δ9-THC	0.23	2.25
CBC	0.22	2.23
THCA	ND	ND
CBDVA	ND	ND
THCVA	ND	ND
CBNA	ND	ND
Δ8-THC	ND	ND
CBL	0.23	2.26
CBCA	ND	ND

	Percent	mg/gram
Total Δ9-THC	0.23	2.25
Total CBD	81.86	818.57
Total CBG	2.06	20.59
Total Cannabinoids	86.69	866.91

Total Δ9-THC = Δ9-THC + (THCA x 0.877)
 Total CBD = CBD + (CBDA x 0.877)
 Total CBG = CBG + (CBGA x 0.877)

Laboratory Comments:

Benjamin Whaley Laboratory Analyst

2021-02-16

Date

This report has been prepared by Gobi Hemp Laboratory exclusively for our Client and their Authorized Representatives. All analytical work is conducted in accordance with a mutually agreed upon scope of work and the terms and conditions as expressed in the Gobi Hemp Laboratory Service Agreement. This report is not to be reproduced in whole or in part without prior written approval. The results shown on this report relate only to the samples submitted to the laboratory. Estimated Uncertainty available upon request.

Gobi Hemp
 • 3940 Youngfield St. •
 • Wheat Ridge CO 80033 •
 • ISO/IEC 17025:2017 Accredited •
 • (303) 955-4934 •



CBD Isolate



879 Federal Blvd
Denver, CO, 80204, USA

Matrix: Concentrate

Certificate of Analysis

Feb 20, 2021

Sample Size Received: 1 gram
Retail Product Size: N/A
Ordered : 02/16/21
sampled : 02/16/21
Completed: 02/20/21 Expires: 02/20/22
Sampling Method: SOP-024

PASSED

Page 1 of 1

SAFETY RESULTS

MISC.



Pesticides

NOT TESTED



Heavy Metals

NOT TESTED



Microbials

NOT TESTED



Mycotoxins

NOT TESTED



Residuals Solvents

NOT TESTED



Filtration

NOT TESTED



Water Activity

NOT TESTED



Moisture

NOT TESTED



Homogeneity

NOT TESTED



Terpenes

NOT TESTED

CANNABINOID RESULTS



CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	DB-THC	CBL	THCVA	CBNA	CBC	THCA	CBCA	CBLA	
ND	ND	ND	99.67%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ND	ND	ND	996.71 mg/g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
LOD	0.00265	0.00070	0.00219	0.00333	0.00125	0.00205	0.00192	0.00183	0.00401	0.01480	0.00084	0.00268	0.00092	0.00071	0.00091	0.00286	0.00045	0.00210	0.00116
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by: [Name] Weight: 0.1691g Extraction date: NA Extracted By: [Name]
 Analysis Method -SOP-020 (R15) Reviewed On - 02/19/21 17:58:25 Batch Date : 02/17/21 09:04:49
 Analytical Batch -DE001519POT Instrument Used : Agilent 1100 "Liger", Agilent 1100 "Falcor" Running On : 02/17/21 19:13:12

Reagent	Dilution	Consums. ID	Consums. ID
111630.12	400	24161330	5079-525C6-525E
011421.R06		00302923	
021521.R18		040CB-040D	
021721.R08		ROBB28597	
		12054-036CC-036	
		923CA-923AK	

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP-022 (R13) for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

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Stephen Goldman
Lab Director
State License # 405R-00011 405-00008
ISO Accreditation # 4331.01
Signature: [Signature] 02/20/2021
Signed On

Hemp Derived Isomer (Delta 8)

TX210223-006 page 1 of 1

QA Testing

PharmLabs Dallas LLC Certificate of Analysis

2567 Valley View Ln, Dallas, TX 75234, United States | License: 2020001
ISO/IEC 17025:2017 Certification L20-89-5 | Accreditation #85368



Matrix Distillate

Sampled - Received Feb 23, 2021

Reported Feb 24, 2021

Analyses executed CAN

CAN - Cannabinoid Profile Analysis

Analyzed Feb 24, 2021 | Instrument HPLC-DAD | Method WI-32
Measurement Uncertainty at 95% confidence 10.0%

Analyte	LOD	LOQ	Result %	Result mg/g
Cannabidiaric acid (CBDVa)	2.0e-06	5.0e-06	ND	ND
Cannabidiarin (CBDV)	3.0e-06	1.0e-05	ND	ND
Cannabidiolic acid (CBDa)	3.0e-06	8.0e-06	ND	ND
Cannabigerolic acid (CBGa)	3.0e-06	8.0e-06	ND	ND
Cannabigerol (CBG)	5.0e-06	1.6e-05	ND	ND
Cannabidiol (CBD)	6.0e-06	1.7e-05	ND	ND
Tetrahydrocannabivarin (THCV)	6.0e-06	1.7e-05	ND	ND
Tetrahydrocannabivarinic acid (THCVa)	5.0e-06	1.5e-05	ND	ND
Cannabinol (CBN)	3.0e-06	1.0e-05	ND	ND
Cannabinolic acid (CBNa)	8.0e-06	2.6e-05	ND	ND
Δ 9-Tetrahydrocannabinol (Δ 9-THC)	1.2e-05	3.6e-05	ND	ND
Δ 8-Tetrahydrocannabinol (Δ 8-THC)	1.5e-05	4.5e-05	97.13	971.33
Cannabicyclol (CBL)	1.3e-05	3.8e-05	ND	ND
Δ 9-Tetrahydrocannabinolic acid (THCa)	9.0e-06	2.8e-05	ND	ND
Cannabichromene (CBC)	6.0e-06	1.9e-05	ND	ND
Cannabichromenic acid (CBCa)	2.2e-05	6.7e-05	ND	ND
Total THC (THCa * 0.877 + THC)			ND	ND
Total CBD (CBDa * 0.877 + CBD)			ND	ND

Sample photography



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



Authorized Signature
Archana
Dr. Archana R. Parameswar,
Laboratory Director
Wed, 24 Feb 2021 08:10:01 -0600



PharmLabs Dallas LLC | 2567 Valley View Ln, Dallas, TX 75234, United States | 214.903.4405 | ISO/IEC 17025:2017 Certification L20-89-5

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D8 PROCESSING EXPLAINED

Our process of delta 8 THC extraction follows exactly the pathway as the natural secondary metabolic conversion of CBD into delta 8 due to catalytic reaction and the oxidative redox path through the secondary processes following photosynthesis. The anions and cations, naturally secretive in the plant, act as catalysts and the naturally secretive salts and sodium bicarbonate act as a buffer to balance the reaction. There are no synthetic elements or constituents implied. The process also reserves the full chain of custody that all derived analysts trace back to their precursors found in the natural hemp plant.

THIRD PARTY TESTING LABS

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