



Certificate of Analysis

Sample: DE20215004-002

Harvest/Lot ID: OC2502072 exp 08/24

Batch#: CO HEMP - LB-25mg-OC-12.14.21

Seed to Sale# 1A4000B00010D25000001219

Batch Date: 02/07/22

Sample Size Received: 30 units

Total Weight/Volume: N/A

Retail Product Size: 4.7 gram

Ordered : 02/14/22

sampled : 02/14/22

Completed: 02/18/22

Sampling Method: SOP-024

PASSED

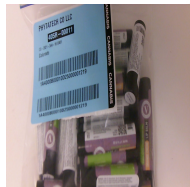
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Feb 18, 2022 | Veritas Farms

License # 405R-00011

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Pueblo, CO, 81005, US

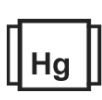
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
PASSED



Moisture
PASSED



Homogeneity
NOT TESTED



Terpenes
TESTED

CANNABINOID RESULTS



Total THC
0.022%



Total CBD
0.511%



Total Cannabinoids
0.573%

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBGA	CBLA	THC-O-ACETATE
%	ND	ND	0.021	0.511	ND	ND	ND	ND	<0.012	ND	0.022	ND	ND	ND	0.019	ND	ND	ND	ND	ND	ND
mg/L	ND	ND	0.00070559	24.017	ND	ND	ND	ND	<0.364	ND	1.034	ND	ND	ND	0.393	ND	ND	ND	ND	ND	ND
LOD	0.001	0.00070559	0.00219044	0.00333396	0.00125116	0.00205806	0.00192419	0.00183167	0.00401072	0.014	0.000847945	0.00268886	0.000921807	0.000717378	0.00286194	0.000534	0.000910194	0.000458461	0.00210199	0.00116619	0.003403
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 8	Weight 1.0299g	Extraction date : 02/15/22 02:02:17	Extracted By : 1642
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Analysis Method -SOP-020 (R15)	Reviewed On - 02/16/22 13:37:13	Batch Date : 02/15/22 10:52:56
Analytical Batch -DE003021POT	Instrument Used : Agilent 1100 "Liger"	Running On : 02/15/22 14:20:26

Reagent	Dilution	Consums. ID	Consums. ID
011322.03	40	11152021	234422
021022.R08		1253104	5079-525C6-525E
021022.R09		00291464	
102221.R05		R1KB34782	
021422.R14		298076054	
021522.01		12211-108CC-108	

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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Harvest/Lot ID: OC2502072 exp 08/24
Batch# : CO HEMP - LB-25mg- OC-12.14.21 **Sample Size Received :** 30 units

Sampled : 02/14/22

Ordered : 02/14/22

Total Weight/Volume : N/A

Completed : 02/18/22 **Expires:** 02/18/23

Sample Method : SOP-024

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Terpenes

TESTED

Terpenes	LOD(%)	mg/unit	%
ALPHA-PINENE	0.002	1.222	0.026
CAMPHENE	0.002	ND	ND
BETA-PINENE	0.002	< 0.2	< 0.02
MYRCENE	0.002	4.418	0.094
DELTA-3-CARENE	0.002	< 0.2	< 0.02
ALPHA-TERPINENE	0.002	ND	ND
P-CYMENTHENE	0.002	ND	ND
LIMONENE	0.002	230.535	4.905
EUCALYPTOL	0.002	ND	ND
CIS-OCIMENE	0.002	ND	ND
GAMMA-TERPINENE	0.002	ND	ND
TERPINOLENE	0.002	ND	ND
LINALOOL	0.002	< 0.2	< 0.02
(-)-ISOPULEGOL	0.002	ND	ND
BORNEOL	0.002	ND	ND
MENTHOL	0.002	ND	ND
ALPHA-TERPINEOL	0.002	ND	ND
PULEGONE	0.002	ND	ND
GERANIOL	0.002	< 0.2	< 0.02
2-ETHYL-FENCHOL	0.002	ND	ND
BETA-CARYOPHYLLENE	0.002	1.175	0.025
HUMULENE	0.002	< 0.2	< 0.02
BISABOLENE	0.002	ND	ND
NEROLIDOL	0.002	ND	ND
(-)-CARYOPHYLLENE OXIDE	0.002	0.94	0.02
(-)-GUAIOL	0.002	< 0.2	< 0.02
(-)-ALPHA-BISABOLOL	0.002	< 0.2	< 0.02

Result (%)
Terpenes
LOD(%) mg/unit%
Result (%)


Terpenes

TESTED
Analyzed by
 1542

Weight
 1.0299g

Extraction date
 02/15/22 02:02:47

Extracted By
 1542

Analysis Method - SOP-067 (R0)
Analytical Batch - DE003024TER
Instrument Used : GC 6890
Running On : 02/15/22 15:37:40
Batch Date : 02/15/22 14:38:26
Reviewed On - 02/16/22 11:46:20
Reagent
 021422.R13

Dilution
 40

Consums. ID
 24169051
 1154419
 00291464
 298076054
 12211-108CC-108

Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.

Total (%)

5.07

Stephen Goldman

Lab Director

 State License # 405R-00011
 405-00008
 ISO Accreditation # 4331.01

Signature

02/18/22

Signed On



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Sample : DE20215004-002
Harvest/Lot ID: OC2502072 exp 08/24
Batch# : CO HEMP - LB-25mg- OC-12.14.21 **Sample Size Received :** 30 units

Sampled : 02/14/22


Ordered : 02/14/22

Total Weight/Volume : N/A

Completed : 02/18/22 **Expires:** 02/18/23

Sample Method : SOP-024

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Pesticides

Pesticides

OTHER PESTICIDES

AVERMECTINS

AZOXYSTROBIN

BIFENAZATE

ETOXAZOLE

IMAZALIL

IMIDACLOPRID

MALATHION

MYCLOBUTANIL

PERMETHRINS

SPIROMESIFEN

SPIROTETRAMAT

SPIROSADS

TEBUCONAZOLE

LOD

0.1

0.0271

0.014

0.011

0.006

0.064

0.007

0.011

0.013

0.0131

0.049

0.03

0.0134

0.01

Units

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

ppb

Action Level

100

70

20

20

10

40

20

50

40

40

30

20

60

10

Pass/Fail

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

PASS

Result

ND

ND

ND

ND

ND

ND

ND

ND

ND


ND

ND

ND

ND

ND



Pesticides

Analyzed by

1696

Analysis Method - SOP-060 (R5),

Analytical Batch - DE003003PES

Weight

0.1429g

Extraction date

02/16/22 11:02:53

Extracted By

1696

Instrument Used : Sciex 6500 Qtrap - Pesticides

Running On :

Reagent

020822.R02

020822.R01

020822.R03

020722.R08

011222.R01

Dilution

25

Consumables ID

24169051

ASO-8408

00291464

040CB-040D

298076054

16564-106C6-106H

Reviewed On -

02/16/22 08:31:26

Batch Date : 02/10/22 14:25:08

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5). *



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Sample : DE20215004-002

Harvest/Lot ID: OC2502072 exp 08/24

Batch# : CO HEMP - LB-25mg- OC-12.14.21

Sampled : 02/14/22

Ordered : 02/14/22

Sample Size Received : 30 units

Total Weight/Volume : N/A

Completed : 02/18/22 **Expires:** 02/18/23

Sample Method : SOP-024

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Residual Solvents

PASSED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.21421	ppm	1000	PASS	ND
ETHYL ACETATE	2.79218	ppm	1000	PASS	<8.376
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.47491	ppm	2	PASS	ND
METHANOL	1.27868	ppm	600	PASS	5.004
HEPTANE	3.25945	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.10881	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.70106	ppm	1000000	PASS	252.101
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	<4.762
HEXANES	1.92798	ppm	60	PASS	ND



Residual Solvents

PASSED

Analyzed by 1253	Weight 0.1356g	Extraction date 02/16/22 09:02:58	Extracted By 1253
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Analysis Method -SOP-032 (R18)
Analytical Batch -DE003026SOL
Instrument Used : GC 5890

Running On :
Batch Date : 02/16/22 07:48:50

Reviewed On - 02/17/22 12:26:50

Reagent 020122.R01 021622.R06	Dilution 1	Consumables ID MKCN2192 24160453 31726-2-1 61596-112C6-112E
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Residual solvents screening is performed using GCwhich can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.



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Sample : DE20215004-002

Harvest/Lot ID: OC2502072 exp 08/24

Batch# : CO HEMP - LB-25mg- OC-12.14.21

Sampled : 02/14/22

Ordered : 02/14/22

Sample Size Received : 30 units

Total Weight/Volume : N/A

Completed : 02/18/22 **Expires:** 02/18/23

Sample Method : SOP-024

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	Microbials	PASSED
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Analyte	LOD	Result	Pass / Fail
TOTAL YEAST AND MOLD		not present in 1 gram.	PASS
SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC		not present in 1 gram.	PASS
SALMONELLA SPECIES		not present in 1 gram.	PASS
MICROBIALS		not present in 1 gram.	PASS
TOTAL AEROBIC		0	PASS
TOTAL COLIFORM		0	PASS

Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)
Analytical Batch -DE003020MIC Batch Date : 02/15/22 10:29:05
Instrument Used : Microbial - Full Panel
Running On : 02/15/22 13:50:08

Analyzed by	Weight	Extraction date	Extracted By
1473	4.57g	02/15/22 01:02:09	1473

Reagent	Reagent	Reagent	Reagent	Dilution	Consums. ID	Consums. ID
021422.R02	091421.R01	110821.02	021722.R04	1	16564-106C6-106H	1
021422.R01	012922.R01	122321.01	011422.14		40898-021C4-021AI	NT10-1212
021122.R02	122121.R07	122221.01	022221.67		0	20/08/03
112921.R19	021522.R02	121521.31			CB1F14A 91005	01860
121721.R06	120921.02	021022.R10			210622-688	00104
101521.R04	110821.04	021522.R01			12265-115CC-115	2

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) methods and plating methods. If a pathogenic Escherichia Coli (STEC) or Salmonella is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

	Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXINS		ppb	0	PASS	20
MYCOTOXIN IS-1 (D9-PIPERONYL BUTOXIDE)		ppb	260.361	PASS	
MYCOTOXIN IS-2 (D6-DICHLORVOS)		ppb	339.351	PASS	
MYCOTOXIN IS-3 (D4-THIAMETHOXAM)		ppb	203.369	PASS	
AFLATOXIN B1	1.327	ppb	ND	PASS	20
AFLATOXIN B2	0.09	ppb	ND	PASS	20
AFLATOXIN G1	0.18	ppb	ND	PASS	20
AFLATOXIN G2	0.303	ppb	ND	PASS	20
OCHRATOXIN A+	0.049	ppb	ND	PASS	20

Analysis Method -SOP-060 (R5)
Analytical Batch -DE003004MYC | Reviewed On - 02/17/22 11:22:30
Instrument Used : Sciex 6500 Qtrap - Mycotoxins
Running On : | Batch Date : 02/10/22 14:25:20

Analyzed by	Weight	Extraction date	Extracted By
1696	0.1429g	02/16/22 11:02:06	1696

Aflatoxins B1, B2, G1, G2, and Ochratoxin A testing using LC-MS via SOP-060 (R5). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be < 20µg/Kg. Ochratoxins must be < 5µg/Kg.

	Heavy Metals	PASSED
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Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC	0.002	ppm	0.008	PASS	1.5
CADMIUM	0.001	ppm	ND	PASS	0.5
MERCURY	0.003	ppm	ND	PASS	1
LEAD	0.01	ppm	<LOQ	PASS	1

Analyzed by	Weight	Extraction date	Extracted By
7	0.2119g	02/17/22 01:02:26	666

Analysis Method -SOP-050 (R5)
Analytical Batch -DE003027HEA | Reviewed On - 02/18/22 12:04:27
Instrument Used : Shimadzu 2030 ICP-MS
Running On : | Batch Date : 02/16/22 08:39:35

Reagent	Reagent	Dilution	Consums. ID
082721.13	071620.05	50	210316-361-B
021022.R02	020222.R06		114CB--114E
021022.R01	021522.01		12294-118CC-118
062121.04			234422

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen to below single digit ppb concentrations for regulated heavy metals using method SOP-050 (R5). Sample preparation for Heavy Metals Analysis via SOP-050 (R5).



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Harvest/Lot ID: OC2502072 exp 08/24

Batch# : CO HEMP - LB-25mg- OC-12.14.21

Sampled : 02/14/22

Ordered : 02/14/22

Sample Size Received : 30 units

Total Weight/Volume : N/A

Completed : 02/18/22 **Expires:** 02/18/23

Sample Method : SOP-024

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Filth
PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
2	NA	NA		NA

Analysis Method -SOP.T.40.013
Batch Date :
Analytical Batch -NA
Reviewed On - 02/16/22 08:31:26
Instrument Used :
Running On :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.


Water Activity
PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
WATER ACTIVITY	1542	NA	NA	0 Aw	1Aw	0.227 aW
TEMPERATURE	1542	NA	NA	0		24.3 aW
				Celsius		

Analysis Method -SOP.T.40.010
Batch Date : 02/15/22 09:44:49

Analytical Batch -DE003019WAT
Reviewed On - 02/16/22 08:11:20
Instrument Used : AquaLab Model Series 3 TE
Running On :

Moisture
PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
MOISTURE CONTENT	1542	NA	NA	0 %	100%	2.562 %

Analysis Method -SOP.T.40.011
Batch Date : 02/15/22 14:22:37

Analytical Batch -DE003023MOI
Reviewed On - 02/16/22 13:15:50
Instrument Used :