



# Certificate of Analysis

Sample: DE20110012-002

Harvest/Lot ID: CH2512281 exp 06/24

Batch#: CO HEMP - LB-25mg-CH-12.15.21

Seed to Sale# 1A4000B00010D25000001086

Batch Date: 12/28/21

Sample Size Received: 20 units

Total Weight/Volume: N/A

Retail Product Size: 4.7 gram

Ordered : 01/07/22

sampled : 01/07/22

Completed: 01/14/22

Sampling Method: SOP-024

**PASSED**

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Jan 14, 2022 | Veritas Farms

License # 405R-00011

8648 Lake Davis Road

Pueblo, CO, 81005, US

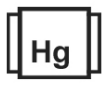
PRODUCT IMAGE



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**

MISC.

CANNABINOID RESULTS



Total THC  
**0.02%**



Total CBD  
**0.492%**



Total Cannabinoids  
**0.553%**

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	EXD-THC	CBQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBGA	CBLA	THC-O-ACETATE
%	ND	ND	0.016	0.492	ND	ND	ND	ND	0.008	ND	0.02	ND	ND	ND	0.017	ND	ND	ND	ND	ND	ND
mg	ND	ND	0.16	4.92	ND	ND	ND	ND	0.08	ND	0.2	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND
LOD	0.00265237	0.001	0.00219044	2.8E-5	1.1E-5	0.00205806	0.00192419	1.0E-6	0.000237	0.0148	2.2E-5	0.00268886	0.000921807	0.000717378	0.00286194	0.0129	0.000910194	1.0E-5	0.00210199	0.00116619	0.003403
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 1253	Weight 1.0105g	Extraction date : 01/11/22 04:01:17	Extracted By : 1642
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Analysis Method -SOP-020 (R15)

Reviewed On - 01/13/22 15:28:49

Batch Date : 01/11/22 10:42:00

Analytical Batch -DE002879POT

Instrument Used : Agilent 1100 "Falcon" Running On : 01/11/22 17:27:19

Reagent	Dilution	Consums. ID	Consums. ID
101121.10	40	07051275	234422
122321.R02		1119999	5079-525C6-525E
011022.R07		BG045	
102221.R05		R1KB34782	
010622.R06		298076054	
010422.01		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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**Total Weight/Volume :** N/A

**Completed :** 01/14/22 **Expires:** 01/14/23


**Sample Method :** SOP-024

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## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-PINENE	0.002	ND	ND		<div>  <b>Terpenes</b> <b>TESTED</b> </div>				
CAMPHENE	0.002	ND	ND		<div> <b>Analyzed by</b> 8  <b>Weight</b> 1.0105g  <b>Extraction date</b> 01/11/22 04:01:49  <b>Extracted By</b> 1542  <b>Analysis Method</b> -SOP-067 (R0)  <b>Analytical Batch</b> -DE002882TER  <b>Instrument Used</b> : GC 6890  <b>Running On</b> :  <b>Batch Date</b> : 01/11/22 16:26:46  <b>Reviewed On</b> - 01/12/22 14:03:10 </div>				
BETA-PINENE	0.002	ND	ND		<div> <b>Reagent</b> 011122.R11  <b>Dilution</b> 40  <b>Consums. ID</b> 07051275            1119999            BG045            298076054            RJAB59720            12211-108CC-108 </div>				
MYRCENE	0.002	ND	ND		Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.				
DELTA-3-CARENE	0.002	ND	ND						
ALPHA-TERPINENE	0.002	< 0.2	< 0.02						
P-CYMENTHENE	0.002	ND	ND						
LIMONENE	0.002	ND	ND						
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	ND	ND						
(-)-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	ND	ND						
2-ETHYL-FENCHOL	0.002	ND	ND						
BETA-CARYOPHYLLENE	0.002	0.28	0.028						
HUMULENE	0.002	< 0.2	< 0.02						
BISABOLENE	0.002	ND	ND						
NEROLIDOL	0.002	ND	ND						
(-)-CARYOPHYLLENE OXIDE	0.002	< 0.2	< 0.02						
(-)-GUAJOL	0.002	< 0.2	< 0.02						
(-)-ALPHA-BISABOLOL	0.002	0.26	0.026						
<b>Total (%)</b>		<b>0.054</b>							



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**Sample :** DE20110012-002

**Harvest/Lot ID:** CH2512281 exp 06/24

**Batch# :** CO HEMP -  
 LB-25mg-CH-12.15.21

**Sampled :** 01/07/22

**Ordered :** 01/07/22

**Sample Size Received :** 20 units

**Total Weight/Volume :** N/A

**Completed :** 01/14/22 **Expires:** 01/14/23

**Sample Method :** SOP-024


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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result
OTHER PESTICIDES	0.1	ppb	100	ND
AVERMECTINS	0.0271	ppb	70	ND
AZOXYSTROBIN	0.0149	ppb	20	ND
BIFENAZATE	0.0118	ppb	20	ND
ETOXAZOLE	0.00645	ppb	10	ND
IMAZALIL	0.0646	ppb	40	ND
IMIDACLOPRID	0.00748	ppb	20	ND
MALATHION	0.01108	ppb	50	ND
MYCLOBUTANIL	0.0135	ppb	40	ND
PERMETHRINS	0.0131	ppb	40	ND
SPIROMESIFEN	0.0499	ppb	30	ND
SPIROTETRAMAT	0.0301	ppb	20	ND
SPINOSADS	0.0134	ppb	60	ND
TEBUCONAZOLE	0.0103	ppb	10	ND

Pesticides	LOD	Units	Action Level	Result
<div><div></div><div>Pesticides</div></div>				PASSED
Analyzed by 1696	Weight 0.1561g	Extraction date 01/11/22 03:01:54	Extracted By 1696	
Analysis Method - SOP-060 (R5) Analytical Batch - DE002872PES		Reviewed On- 01/11/22 11:36:57		
Instrument Used : Sciex 6500 Qtrap - Pesticides Running On :		Batch Date : 01/10/22 08:36:05		
Reagent	Dilution	Consums. ID		
010422.R006	25	07051275		
010712.R006		1119999		
122721.R007		BG045		
122121.R003		229022		
010322.R007		040CB-040D		
120321.R003				
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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 LB-25mg-CH-12.15.21

**Sampled :** 01/07/22

**Ordered :** 01/07/22

**Sample Size Received :** 20 units

**Total Weight/Volume :** N/A

**Completed :** 01/14/22 **Expires:** 01/14/23

**Sample Method :** SOP-024

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## Residual Solvents **PASSED**



## 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	131.424
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.47491	ppm	2	PASS	ND
METHANOL	1.27868	ppm	600	PASS	ND
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	747.986
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.58756	ppm	1000	PASS	<4.762
HEXANES	1.92798	ppm	60	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
7	0.166g	01/11/22 03:01:55	666

**Analysis Method -SOP-032 (R18)**
**Analytical Batch -DE002871SOL** **Reviewed On - 01/12/22 11:29:02**
**Instrument Used : GC 5890**
**Running On :**
**Batch Date : 01/08/22 14:41:32**

Reagent	Dilution	Consums. ID
121721.R07	1	24160453 31726-2-1 16564-106C6-106H

Residual solvents screening is performed using GC which can detect below single digit ppm concentrations. Currently we analyze for 15 Residual solvents.



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**Harvest/Lot ID:** CH2512281 exp 06/24

**Batch# :** CO HEMP -  
 LB-25mg-CH-12.15.21

**Sampled :** 01/07/22

**Ordered :** 01/07/22

**Sample Size Received :** 20 units

**Total Weight/Volume :** N/A

**Completed :** 01/14/22 **Expires:** 01/14/23

**Sample Method :** SOP-024

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

**Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1)**  
**Analytical Batch -DE002877MIC Batch Date :** 01/11/22 09:48:36  
**Instrument Used :** Microbial - Full Panel  
**Running On :** 01/12/22 13:33:49

Analyzed by	Weight	Extraction date	Extracted By
5	5.35g	01/12/22 03:01:22	5

Reagent	Reagent	Reagent	Reagent	Dilution	Consums. ID	Consums. ID
011022.R03	121721.R06	122321.01	121421.06	1	61596-112C6-112E	1
122121.R06	101521.R04	121521.31			40898-021C4-021AI	20/08/30
121421.R07	091421.R01	122221.01			0	00104
122221.R03	082721.01	011022.R05			12265-115CC-115	01860
011022.R01	110821.04	011022.R06			210622-688	C_2142603
112921.R19	110821.02	123021.R08			CB1F14A	91005

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.

	<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Action Level
AFLATOXIN G2	0.303	ppb	ND	20
AFLATOXIN G1	0.180	ppb	ND	20
AFLATOXIN B2	0.0904	ppb	ND	20
AFLATOXIN B1	1.327	ppb	ND	20
OCHRATOXIN A+	0.0491	ppb	ND	20
AFLATOXINS		ppb	0	20

**Analysis Method -SOP-060 (R5)**  
**Analytical Batch -DE002873MYC | Reviewed On -** 01/12/22 11:24:09  
**Instrument Used :** Sciex 6500 Qtrap - Mycotoxins  
**Running On :**  
**Batch Date :** 01/10/22 08:37:16

Analyzed by	Weight	Extraction date	Extracted By
1696	0.1561g	01/11/22 03:01:44	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 &lt; 20µg/Kg. Ochratoxins must be &lt; 5µg/Kg.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Dilution	Consums. ID
082721.13	010422.01	50	210316-361-B
010722.R03			114CB-114E
010722.R02			12294-118CC-118
102121.03			234422
071620.05			
010622.R05			

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.0020	ppm	ND	1.5
CADMIUM	0.0016	ppm	ND	0.5
MERCURY	0.0035	ppm	ND	1
LEAD	0.0101	ppm	ND	1

Analyzed by	Weight	Extraction date	Extracted By
7	0.2242g	01/12/22 11:01:10	666

**Analysis Method -SOP-050 (R5)**  
**Analytical Batch -DE002878HEA | Reviewed On -** 01/13/22 10:29:11  
**Instrument Used :** Shimadzu 2030 ICP-MS  
**Running On :**  
**Batch Date :** 01/11/22 09:57:40

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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**Sample Method :** SOP-024

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**Filtration**
**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 - 01/11/22 11:36:57**
**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 used 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 Celsius		24.9 aW

**Analysis Method -**  
 SOP.T.40.010

**Batch Date :** 01/11/22 08:58:47

**Analytical Batch -**  
 DE002876WAT

**Reviewed On - 01/12/22 08:41:17**
**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	0.0 %	100%	0.312 %

**Analysis Method -**  
 SOP.T.40.011

**Batch Date :** 01/13/22 11:22:19

**Analytical Batch -**  
 DE002889MOI

**Reviewed On - 01/14/22 08:21:04**
**Instrument Used :**