



# Certificate of Analysis

Jul 19, 2022 | Veritas Farms

License # 405R-00011

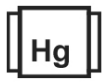
8648 Lake Davis Road  
Pueblo, CO, 81005, US

**Sample: DE20715001-001**
**Harvest/Lot ID: SS1007132 exp 01/25**
**Batch#: CO HEMP - F-SS-1000mg-07.11.22**
**Seed to Sale# 1A4000B00010D25000001820**
**Batch Date: 07/13/22**
**Sample Size Received: 5 units**
**Total Batch Size: N/A**
**Retail Product Size: 28.35 gram**
**Ordered : 07/14/22**
**Sampled : 07/14/22**
**Completed: 07/19/22**
**Sampling Method: N/A**
**PASSED**

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**PRODUCT IMAGE**

**SAFETY RESULTS**

**Pesticides  
PASSED**

**Heavy Metals  
PASSED**

**Microbials  
PASSED**

**Mycotoxins  
PASSED**

**Residuals Solvents  
PASSED**

**Filtration  
PASSED**

**Water Activity  
PASSED**

**Moisture  
PASSED**

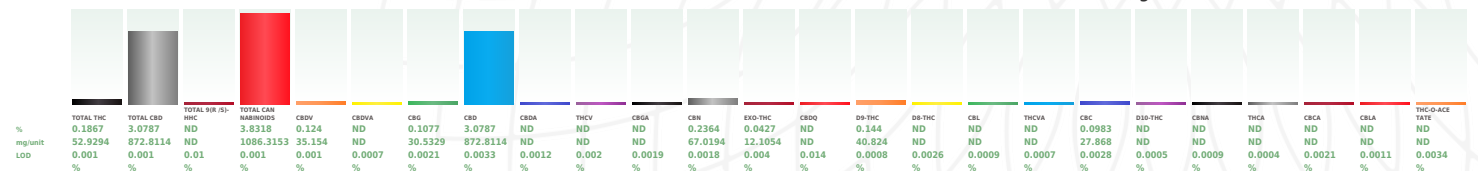
**Homogeneity  
Testing  
NOT TESTED**

**Terpenes  
TESTED**
**MISC.**

**Cannabinoid**
**PASSED**

**CBN**
**0.2364%**
**CBN/Container : 67.019 mg**

**Total CBD**
**3.0787%**
**Total CBD/Container : 872.811 mg**

**Total Cannabinoids**
**3.8318%**
**Total Cannabinoids/Container : 1086.315 mg**

**Analyzed by:**  
2229, 1642, 2319, 7

**Weight:**  
0.9711g

**Extraction date:**  
07/15/22 14:07:20

**Extracted by:**  
2319

**Analysis Method :** SOP-020 (R15)  
**Analytical Batch :** DE003655POT  
**Instrument Used :** Agilent 1100 "Liger"  
**Running on :** 07/15/22 18:00:30

**Reviewed On :** 07/18/22 15:04:53  
**Batch Date :** 07/15/22 08:48:04

**Dilution :** 41  
**Reagent :** 071422.R06; 071122.14; 070922.R01; 071322.R14; 022222.R02; 071122.01; 071522.R07  
**Consumables :** 426852; HWK-TP3ML; 00322250; 0000164728; 309011271; 12211-108CC-108; 923C4-923AK; 5079-525C6-525E  
**Pipette :** N/A

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.

**Label Claim - PASSED**

Analyte	LOD	Units	Pass/Fail	Result	Analyte	LOD	Units	Pass/Fail	Result
TOTAL CBG	0.001	mg	TESTED	30.5329	TOTAL CBN	0.001	mg	TESTED	67.0194



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Sample : DE20715001-001  
Harvest/Lot ID: SS1007132 exp 01/25

Batch# : CO HEMP - F-  
SS-1000mg-07.11.22  
Sampled : 07/14/22  
Ordered : 07/14/22

Sample Size Received : 5 units  
Total Batch Size : N/A  
Completed : 07/19/22 Expires: 07/19/23  
Sample Method : SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
ALPHA-PINENE	0.002	<5.67	<0.02		ANALYZED BY:				
CAMPENE	0.002	ND	ND		2229, 1642, 2318, 2	Weight:	0.9711g	Extraction date:	07/15/22 13:26:43
BETA-PINENE	0.002	<5.67	<0.02		Analysis Method : SOP-067 (R0)			Reviewed On : 07/18/22 08:52:03	Extracted by:
MYRCENE	0.002	ND	ND		Analytical Batch : DE003656TER			Batch Date : 07/15/22 13:24:21	1642
DELTA-3-CARENE	0.002	ND	ND		Instrument Used : GC 6890				
ALPHA-TERPINENE	0.002	ND	ND		Running on : 07/15/22 17:59:48				
P-CYMENTHENE	0.002	ND	ND		Dilution : 41				
LIMONENE	0.002	22.0846	0.0779		Reagent : 071422 R06; 071122.14				
EUCALYPTOL	0.002	ND	ND		Consumables : 00322643; 2083592; 00322250; 309011271; 12211-108CC-108				
CIS-OCIMENE	0.002	ND	ND		Pipette : N/A				
GAMMA-TERPINENE	0.002	<5.67	<0.02		Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.				
TERPINOLENE	0.002	ND	ND						
LINALOOL	0.002	<5.67	<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	<5.67	<0.02						
2-ETHYL-FENCHOL	0.002	ND	ND						
BETA-CARYOPHYLLENE	0.002	47.9115	0.169						
HUMULENE	0.002	17.4352	0.0615						
BISBOLENE	0.002	ND	ND						
NEROLIDOL	0.002	<5.67	<0.02						
(-)-CARYOPHYLLENE OXIDE	0.002	11.9353	0.0421						
(-)-GUAJOL	0.002	20.9223	0.0738						
(-)-ALPHA-BISBOLENE	0.002	21.5176	0.0759						
<b>Total (%)</b>		<b>0.5002</b>							



Signature



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**Sample : DE20715001-001**  
**Harvest/Lot ID: SS1007132 exp 01/25**  
**Batch# :** CO HEMP - F-  
 SS-1000mg-07.11.22  
**Sampled :** 07/14/22  
**Ordered :** 07/14/22

**Sample Size Received :** 5 units  
**Total Batch Size :** N/A  
**Completed :** 07/19/22 **Expires:** 07/19/23  
**Sample Method :** SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
OTHER PESTICIDES	0.1	ppb	100	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
SPINOSADS	0.0134	ppb	60	PASS	ND	2229, 2318, 1642, 1253, 2, 7	0.1578g	07/15/22 16:37:07	2318		
TEBUCONAZOLE	0.01	ppb	10	PASS	ND	Analysis Method : SOP-060 (R5)					
AVERMECTINS	0.0271	ppb	70	PASS	ND	Analytical Batch : DE003650PES					
AZOXYSTROBIN	0.014	ppb	20	PASS	ND	Instrument Used : Sciex 6500 Qtrap - Pesticides					
BIFENAZATE	0.011	ppb	20	PASS	ND	Running on : 07/15/22 18:03:47					
ETOXAZOLE	0.006	ppb	10	PASS	ND	Dilution : 25					
IMAZAIL	0.064	ppb	40	PASS	ND	Reagent : 071122.R06; 062822.R09; 071422.R12; 071422.R13; 070822.R23					
IMIDACLOPRID	0.007	ppb	20	PASS	ND	Consumables : 00322643; 00322250; 040CB-040D; 309011271; 5079-525C6-525E					
MALATHION	0.011	ppb	50	PASS	ND	Pipette : N/A					
MYCLOBUTANIL	0.013	ppb	40	PASS	ND	Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides via SOP-060 (R5).					
PERMETHRINS	0.0131	ppb	40	PASS	ND						
SPIROMESIFEN	0.049	ppb	30	PASS	ND						
SPIROTETRAMAT	0.03	ppb	20	PASS	ND						





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**Harvest/Lot ID: SS1007132 exp 01/25**
**Batch# :** CO HEMP - F-  
 SS-1000mg-07.11.22  
**Sampled :** 07/14/22  
**Ordered :** 07/14/22

**Sample Size Received :** 5 units  
**Total Batch Size :** N/A  
**Completed :** 07/19/22 **Expires:** 07/19/23  
**Sample Method :** SOP Client Method

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## Residual Solvents

**PASSED**

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	4.2142	ppm	1000	PASS	ND
ETHYL ACETATE	2.7921	ppm	1000	PASS	ND
BUTANES	15.794	ppm	1000	PASS	ND
BENZENE	0.4749	ppm	2	PASS	ND
METHANOL	1.2786	ppm	600	PASS	ND
HEPTANE	3.2594	ppm	1000	PASS	ND
PENTANES	13.828	ppm	1000	PASS	ND
TOLUENE	2.1088	ppm	180	PASS	ND
XYLENES	7.115	ppm	430	PASS	ND
ETHANOL	2.701	ppm	1000000	PASS	40.0291
ACETONE	1.708	ppm	1000	PASS	ND
2-PROPANOL	1.5875	ppm	1000	PASS	ND
HEXANES	1.9279	ppm	60	PASS	ND

<b>Analyzed by:</b> N/A	<b>Weight:</b> N/A	<b>Extraction date:</b> N/A	<b>Extracted by:</b> N/A
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**Analysis Method :** SOP-032 (R18)  
**Analytical Batch :** DE003653SOL  
**Instrument Used :** GC 5890  
**Running on :** 07/15/22 17:17:29

**Reviewed On :** 07/18/22 11:18:23  
**Batch Date :** 07/15/22 08:39:50

**Dilution :** 1  
**Reagent :** 071422.R07  
**Consumables :** 21422; 426331; 31726-2-1; 923C4-923AK; 5079-525C6-525E  
**Pipette :** N/A

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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
**Sample :** DE20715001-001  
**Harvest/Lot ID:** SS1007132 exp 01/25  
**Batch# :** CO HEMP - F-SS-1000mg-07.11.22  
**Sampled :** 07/14/22  
**Ordered :** 07/14/22

**Sample Size Received :** 5 units  
**Total Batch Size :** N/A  
**Completed :** 07/19/22 **Expires:** 07/19/23  
**Sample Method :** SOP Client Method

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 <b>Microbial</b> <b>PASSED</b>						 <b>Mycotoxins</b> <b>PASSED</b>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
TOTAL YEAST AND MOLD	100	cfu/g	ND	PASS	10000	AFLATOXINS		ppb			20
SHIGA TOXIN PRODUCING	1	CFU	ND	PASS	1	AFLATOXIN B1	1.327	ppb	ND	PASS	20
ESCHERICHIA COLI STEC						AFLATOXIN B2	0.09	ppb	ND	PASS	20
SALMONELLA SPECIES	1	CFU	ND	PASS	1	AFLATOXIN G1	0.18	ppb	ND	PASS	20
TOTAL AEROBIC	10	cfu/g	ND	PASS	10000	AFLATOXIN G2	0.303	ppb	ND	PASS	20
TOTAL COLIFORM	10	cfu/g	ND	PASS	100	OCHRATOXIN A+	0.049	ppb	ND	PASS	20
<b>Analyzed by:</b> 2229, 5, 1473 <b>Weight:</b> 2.22g <b>Extraction date:</b> 07/19/22 13:25:17 <b>Extracted by:</b> 1473						<b>Analyzed by:</b> 2229, 2318, 1642, 1253, 2 <b>Weight:</b> 0.1578g <b>Extraction date:</b> N/A <b>Extracted by:</b> N/A					
<b>Analysis Method :</b> SOP-061 (R2); SOP-062 (R2); SOP-063 (R1) <b>Analytical Batch :</b> DE003648MIC <b>Instrument Used :</b> Microbial - Full Panel <b>Running on :</b> N/A <b>Dilution :</b> N/A <b>Reagent :</b> 071322.R12; 071322.R11; 071422.R11; 071422.R10; 062722.R06; 032322.R01; 063022.R05; 062322.R04; 062722.R10; 070522.R17; 051722.01; 062322.01; 060222.11; 052322.02; 071222.R03; 070722.R09; 060822.03; 060822.04; 032922.01 <b>Consumables :</b> 0000003320; 61596-112C6-112E; 1; 12265-115CC-115; 2; NT10-1212; 20/08/30; 01859; 00107; 0000004771; CH_2147106; 64391619 <b>Pipette :</b> N/A						<b>Analysis Method :</b> SOP-060 (R5) <b>Analytical Batch :</b> DE003636MYC <b>Instrument Used :</b> Sciex 6500 Qtrap - Mycotoxins <b>Running on :</b> 07/15/22 18:11:46 <b>Dilution :</b> 25 <b>Reagent :</b> 071122.R06; 062822.R09; 070822.R22; 070922.R03; 071322.R13 <b>Consumables :</b> 00322643; 426852; 00322250; 040CB-040D; 5079-525C6-525E; 1154419 <b>Pipette :</b> N/A					
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.						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.					

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>Heavy Metals</b> <b>PASSED</b>					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.002	ppm	ND	PASS	1.5
CADMIUM	0.001	ppm	ND	PASS	0.5
MERCURY	0.003	ppm	ND	PASS	1
LEAD	0.01	ppm	<0.03	PASS	1
<b>Analyzed by:</b> 2229, 666, 7 <b>Weight:</b> 0.2076g <b>Extraction date:</b> 07/19/22 07:43:05 <b>Extracted by:</b> 666					
<b>Analysis Method :</b> SOP-050 (R5) <b>Analytical Batch :</b> DE003652HEA <b>Instrument Used :</b> Shimadzu 2030 ICP-MS <b>Running on :</b> N/A <b>Dilution :</b> 50 <b>Reagent :</b> 082721.13; 062121.04; 071422.R01; 071122.01; 071522.R02; 071522.R01 <b>Consumables :</b> 210316-361-B; 114CB-114E; 12495-210CC-210; 234422 <b>Pipette :</b> N/A					
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:** SS1007132 exp 01/25  
**Batch# :** CO HEMP - F-SS-1000mg-07.11.22  
**Sampled :** 07/14/22  
**Ordered :** 07/14/22

**Sample Size Received :** 5 units  
**Total Batch Size :** N/A  
**Completed :** 07/19/22 **Expires:** 07/19/23  
**Sample Method :** SOP Client Method

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**Filth/Foreign Material**
**PASSED**

**Moisture**
**PASSED**

Analyte		LOD	Units	Result	P/F	Action Level	Analyte		LOD	Units	Result	P/F	Action Level
Filth and Foreign Material		1	detect/g	ND	PASS	3	Moisture Content		0	%	39.3861	PASS	100
Analyzed by: N/A	Weight: NA	Extraction date: N/A			Extracted by: N/A		Analyzed by: 2229, 1642, 2	Weight: NA	Extraction date: N/A			Extracted by: N/A	
Analysis Method : SOP.T.30.074, SOP.T.40.074						Analysis Method : SOP.T.40.011							
Analytical Batch : N/A		Reviewed On : 07/18/22 09:45:37				Analytical Batch : DE003657MOI				Reviewed On : 07/18/22 09:46:13			
Instrument Used : N/A		Batch Date : N/A				Instrument Used : N/A				Batch Date : 07/15/22 13:37:07			
Running on : N/A						Running on : 07/15/22 17:59:57							
Dilution : N/A						Dilution : N/A							
Reagent : N/A						Reagent : N/A							
Consumables : N/A						Consumables : N/A							
Pipette : N/A						Pipette : N/A							

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	LOD	Units	Result	P/F	Action Level
Water Activity	0	Aw	0.315	PASS	1
Temperature	0	Celsius	24.9	TESTED	
Analyzed by: 2229, 1642	Weight: NA	Extraction date: N/A	Extracted by: N/A		
Analysis Method : SOP.T.40.019			Reviewed On : 07/15/22 18:02:36 Batch Date : 07/15/22 08:46:27		
Analytical Batch : DE003654WAT					
Instrument Used : AquaLab Model Series 3 TE					
Running on : N/A					
Dilution : N/A					
Reagent : 083121.01; 083121.02; 083121.03; 083121.04					
Consumables : 081921					
Pipette : N/A					

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.

Signature