



Tincture
Sample Matrix:
CBD/HEMP
Derivative Products
(Ingestion)



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

Certificate of Analysis

Compliance Test

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CF-0110001-021822
Batch Date: 2022-02-18

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # CLO220221-010002
Order Date: 2022-02-21
Sample # AACM794

Sampling Date: 2022-02-24
Lab Batch Date: 2022-02-24
Completion Date: 2022-03-01

Initial Gross Weight: 199.814 g
Net Weight: 77.214 g
Density: 0.957 g/ml
Volume: 60 ml

Number of Units: 2
Net Weight per Unit: 57516.647 mg



Product Image

- Potency Tested**
- Heavy Metals Passed**
- Mycotoxins Passed**
- Pesticides Passed**
- Residual Solvents Passed**
- Water Activity Tested**
- Listeria Monocytogenes Passed**
- Pathogenic Passed**
- Microbiology Petrifilm Passed**

Potency - 11
Specimen Weight: 101.840 mg

Tested
(LCU)

Potency Summary

0.138% Total THC	79.373mg	3.760% Total CBD	2,162.626mg
0.095% Total CBG	54.641mg	Total CBN	None Detected
0.121% Other Cannabinoids	69.595mg	Total Cannabinoids	2,366.235mg

Pieces For Panel: 1

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000054	0.001	35.830	3.744
Delta-9 THC	10.000	0.000013	0.001	1.320	0.138
CBG	10.000	0.000248	0.001	0.905	0.095
CBDV	10.000	0.000065	0.001	0.628	0.066
CBC	10.000	0.000018	0.001	0.533	0.056
CBDA	10.000	0.000001	0.001	0.180	0.019
THCV	10.000	0.000007	0.001		<LOQ
Delta-8 THC	10.000	0.000026	0.001		<LOQ
CBN	10.000	0.000014	0.001		<LOQ
CBGA	10.000	0.000008	0.001		<LOQ
THCA-A	10.000	0.000032	0.001		<LOQ

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

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



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.



Tincture
Sample Matrix:
CBD/HEMP
Derivative Products
(Ingestion)



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

Certificate of Analysis

Compliance Test

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CF-0110001-021822
Batch Date: 2022-02-18

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # CLO220221-010002
Order Date: 2022-02-21
Sample # AACM794

Sampling Date: 2022-02-24
Lab Batch Date: 2022-02-24
Completion Date: 2022-03-01

Initial Gross Weight: 199.814 g
Net Weight: 77.214 g
Density: 0.957 g/ml
Volume: 60 ml

Number of Units: 2
Net Weight per Unit: 57516.647 mg

Pesticides FL (MGK)

Specimen Weight: 156.000 mg

Dilution Factor: 9.615

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
Acetaminiprid	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	Metaxalyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	Mevinphos	10	100	<LOQ
Carbaryl	10	500	<LOQ	MGK	30	200	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlorfend	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Pacllobutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Parathion-methyl	10	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Clofentezine	30	500	<LOQ	Permethrin	30	1000	<LOQ
Coumaphos	48	100	<LOQ	Phosmet	30	200	<LOQ
Cyfluthrin	30	1000	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cypermethrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Daminozide	30	100	<LOQ	Propiconazole	30	1000	<LOQ
Diazinon	30	200	<LOQ	Propoxur	30	100	<LOQ
Dichlorvos	30	100	<LOQ	Pyrethrins	30	1000	<LOQ
Dimethoate	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinetoram	10	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spinosad	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spirotetramat	30	3000	<LOQ
Fenhexamid	10	3000	<LOQ	Spiroxamine	30	100	<LOQ
Fenoxycarb	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiacloprid	30	100	<LOQ
Fipronil	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Fonicamid	30	2000	<LOQ	Trifloxystrobin	30	3000	<LOQ

Passed
(LCMS/GCMS)



Residual Solvents UT - BHB

Specimen Weight: 104.200 mg

Dilution Factor: 50.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,2-Dimethoxyethane	6.4	100	<LOQ	Ethanol	16	5000	<LOQ
1,4-Dioxane	8	380	<LOQ	Ethyl Acetate	6.4	5000	<LOQ
1-Butanol	6.4	5000	<LOQ	Ethyl Ether	8	5000	<LOQ
1-Pentanol	0.32	5000	<LOQ	Ethylbenzene	6.4	1000	<LOQ
1-Propanol	8	5000	<LOQ	Ethylene glycol	6.4	620	<LOQ
2,2-dimethylbutane	12	290	<LOQ	Ethylene Oxide	0.32	50	<LOQ
2,3-dimethylbutane	26.668	290	<LOQ	Heptane	8	5000	<LOQ
2-Butanol	8	5000	<LOQ	Isopropyl acetate	8	5000	<LOQ
2-Ethoxyethanol	4	160	<LOQ	Methanol	4	3000	<LOQ
2-methylbutane	2	5000	<LOQ	Methylpropane	2	5000	<LOQ
2-Methylpentane	6.4	290	<LOQ	N,N-dimethylacetamide	6.4	1090	<LOQ
2-Propanol (IPA)	6.4	5000	<LOQ	N,N-dimethylformamide	0.132	880	<LOQ
3-Methylpentane	2.4	290	<LOQ	n-Hexane	0.8	290	<LOQ
Acetone	12	5000	<LOQ	Pentane	12	5000	<LOQ
Acetonitrile	0.96	410	<LOQ	Propane	26.668	5000	<LOQ
Benzene	0.016	2	<LOQ	Pyridine	6.4	100	<LOQ
Butane	13.32	5000	<LOQ	Sulfolane	6.4	160	<LOQ
Cumene	0.032	70	<LOQ	Tetrahydrofuran	6.4	720	<LOQ
Cyclohexane	0.032	3880	<LOQ	Toluene	2.4	890	<LOQ
Dichloromethane	0.8	600	<LOQ	Total Xylenes	7.2	1000	<LOQ
Dimethyl sulfoxide	6.4	5000	<LOQ				

Passed
(GCMS)



Residual Solvents - FL

Specimen Weight: 105.800 mg

Dilution Factor: 50.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.132	8	<LOQ	Heptane	8	500	<LOQ
1,2-Dichloroethane	0.032	2	<LOQ	Isopropyl alcohol	8	500	<LOQ
Acetonitrile	0.96	60	<LOQ	Methylene chloride	2	125	<LOQ
Butanes	13.32	2000	<LOQ	Propane	26.668	2100	<LOQ
Ethyl Acetate	6.4	400	<LOQ	Total Xylenes	7.2	150	<LOQ
Ethyl Ether	8	500	<LOQ	Trichloroethylene	0.4	25	<LOQ
Ethylene Oxide	0.32	5	<LOQ				

Passed
(GCMS)

Xueli Gao Lab Toxicologist
Ph.D., DABT

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

Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBDV + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.





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

Certificate of Analysis

Compliance Test

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CF-0110001-021822
Batch Date: 2022-02-18

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # CLO220221-010002
Order Date: 2022-02-21
Sample # AACM794

Sampling Date: 2022-02-24
Lab Batch Date: 2022-02-24
Completion Date: 2022-03-01

Initial Gross Weight: 199.814 g
Net Weight: 77.214 g
Density: 0.957 g/ml
Volume: 60 ml

Number of Units: 2
Net Weight per Unit: 57516.647 mg

Heavy Metals

Specimen Weight: 247.420 mg

Passed
(ICP-MS)

Dilution Factor: 202

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

Water Activity

Specimen Weight: 0.500 g

Tested
(Water Activity Analyzer)

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.275

Mycotoxins - CO

Specimen Weight: 156.000 mg

Passed
(LCMS)

Dilution Factor: 9.615

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	2.5	5	<LOQ	Ochratoxin A	3.5	5	<LOQ
Aflatoxin Total	2.5	20	<LOQ				

Listeria Monocytogenes

Specimen Weight: 988.610 mg

Passed
(qPCR)

Dilution Factor: 1.000

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

Pathogenic SAE (qPCR) - CO

Specimen Weight: 25157.300 mg

Passed
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	STEC	25	Absence in 25g
Salmonella	25	Absence in 25g			

Microbiology (Petrifilm/Plating) - CO

Specimen Weight: 1006.600 mg

Passed
(Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	<10	Yeast/Mold	10	<10
Total Coliform	10	<10			

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

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



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.