



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CF-0140002-041522
Batch Date: 2022-04-15
Extracted From: CCF-03112022-D108

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # CLO220516-010001
Order Date: 2022-05-16
Sample # AACV207

Sampling Date: 2022-05-18
Lab Batch Date: 2022-05-18
Completion Date: 2022-05-23

Initial Gross Weight: 119.099 g
Net Weight: 49.517 g
Density: 0.971 g/ml

Number of Units: 1
Net Weight per Unit: 57516.647 mg



Product Image

Pesticides
Tested

Potency
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Residual Solvents
Passed

Water Activity
Tested

Listeria Monocytogenes
Passed

Pathogenic
Passed

Microbiology Petrifilm
Passed



Potency 10

Specimen Weight: 81.760 mg

Tested
(LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	1000.000	0.000054	0.002	72.810	7.498
Delta-9 THC	1000.000	0.000013	0.002	2.760	0.284
CBG	1000.000	0.000248	0.002	1.510	0.156
CBDV	1000.000	0.000065	0.002	1.040	0.107
CBC	1000.000	0.000018	0.002	0.480	0.049
THCA	1000.000	0.000032	0.002	<LOQ	
CBN	1000.000	0.000014	0.002	<LOQ	
CBGA	1000.000	0.000008	0.002	<LOQ	
CBDA	1000.000	0.000001	0.002	<LOQ	
THCV	1000.000	0.000007	0.002	<LOQ	



Potency Summary

Total THC 0.284% 163.350mg	Total CBD 7.498% 4,312.600mg
Total CBG 0.156% 89.730mg	Total CBN None Detected
Other Cannabinoids 0.156% 89.730mg	Total Cannabinoids 8.094% 4,655.400mg

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixa 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 = Delta6a10a-THC + 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%

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Pesticides - CO

Specimen Weight: 251.400 mg

Tested
(LCMS/GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppb)	Result	Analyte	LOQ (ppb)	Result	Analyte	LOQ (ppb)	Result
Abamectin	250	<LOQ	Dodemorph	50	<LOQ	Naled	100	<LOQ
Acephate	50	<LOQ	Endosulfan sulfate	2500	<LOQ	Novaluron	25	<LOQ
Acequinocyl	30	<LOQ	Endosulfan-alpha	2500	<LOQ	Oxamyl	1500	<LOQ
Acetamiprid	50	<LOQ	Endosulfan-beta	2500	<LOQ	Paclobutrazol	10	<LOQ
Aldicarb	500	<LOQ	Ethoprophos	10	<LOQ	Pentachloronitrobenzen(Quintozone)	20	<LOQ
Allethrin	100	<LOQ	Etofenprox	50	<LOQ	Permethrin	500	<LOQ
Atrazine	25	<LOQ	Etoxazole	20	<LOQ	Phenothrin	50	<LOQ
Azadirachtin	500	<LOQ	Etridiazole	150	<LOQ	Phosmet	20	<LOQ
Azoxystrobin	10	<LOQ	Fenhexamid	125	<LOQ	Piperonylbutoxide	1250	<LOQ
Benzovindiflupyr	10	<LOQ	Fenoxycarb	10	<LOQ	Pirimicarb	10	<LOQ
Bifenazate	10	<LOQ	Fenpyroximate	20	<LOQ	Prallethrin	50	<LOQ
Bifenthrin	1000	<LOQ	Fensulfotthion	10	<LOQ	Propiconazole	10	<LOQ
Boscalid	10	<LOQ	Fenthion	10	<LOQ	Propoxur	10	<LOQ
Buprofezin	20	<LOQ	Fenvalerate	100	<LOQ	Pyraclostrobin	10	<LOQ
Carbaryl	25	<LOQ	Fipronil	10	<LOQ	Pyrethrins	50	<LOQ
Carbofuran	10	<LOQ	Flonicamid	25	<LOQ	Pyridaben	20	<LOQ
Chlorantraniliprole	20	<LOQ	Fludioxonil	10	<LOQ	Pyriproxyfen	10	<LOQ
Chlorfenapyr	1500	<LOQ	Fluopyram	10	<LOQ	Resmethrin	50	<LOQ
Chlorpyrifos	500	<LOQ	Hexythiazox	10	<LOQ	Spinetoram	10	<LOQ
Clofentezine	10	<LOQ	Imazalil	10	<LOQ	Spinosad	10	<LOQ
Clothianidin	25	<LOQ	Imidacloprid	10	<LOQ	Spirodiclofen	250	<LOQ
Coumaphos	10	<LOQ	Iprodione	500	<LOQ	Spiromesifen	3000	<LOQ
Cyantraniliprole	10	<LOQ	Kinoprene	500	<LOQ	Spirotetramat	10	<LOQ
Cyfluthrin	200	<LOQ	Kresoxim Methyl	150	<LOQ	Spiroxamine	100	<LOQ
Cypermethrin	300	<LOQ	Lambda Cyhalothrin	250	<LOQ	Tebuconazole	10	<LOQ
Cyprodinil	10	<LOQ	Malathion	10	<LOQ	Tebufenozide	10	<LOQ
Daminozide	100	<LOQ	Metalaxyl	10	<LOQ	Teflubenzuron	25	<LOQ
Deltamethrin	500	<LOQ	Methiocarb	10	<LOQ	Tetrachlorvinphos	10	<LOQ
Diazinon	20	<LOQ	Methomyl	25	<LOQ	Tetramethrin	100	<LOQ
Dichlorvos	50	<LOQ	Methoprene	2000	<LOQ	Thiabendazole	20	<LOQ
Dimethoate	10	<LOQ	methyl-Parathion	50	<LOQ	Thiacloprid	10	<LOQ
Dimethomorph	50	<LOQ	Mevinphos	25	<LOQ	Thiamethoxam	10	<LOQ
Dinotefuran	50	<LOQ	MGK-264	50	<LOQ	Thiophanate-methyl	50	<LOQ
Diuron	125	<LOQ	Myclobutanil	10	<LOQ	Trifloxystrobin	10	<LOQ



Heavy Metals

Specimen Weight: 249.450 mg

Passed
(ICP-MS)

Dilution Factor: 200

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

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Lab Toxicologist

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

Mycotoxins - CO

Specimen Weight: 251.400 mg

Passed
(LCMS)

Dilution Factor: 1.000

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				



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Residual Solvents - FL

Specimen Weight: 156.200 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)



Listeria Monocytogenes

Specimen Weight: 983.900 mg

Dilution Factor: 1.000

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

Passed
(qPCR)



Pathogenic SAE (qPCR) - CO

Specimen Weight: 25.033 g

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			

Passed
(qPCR)



Microbiology (Petrifilm/Plating) - CO

Specimen Weight: 1003.300 mg

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			

Passed
(Petrifilm)



Water Activity

Specimen Weight: 0.500 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.317

Tested
(Water Activity Analyzer)

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



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