



Certificate of Analysis

Compliance Test

Client Information:

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CF-0240002-042023
Batch Date: 2023-04-17
Extracted From: CCF-03152022-D109

Test Reg State: Florida

Order # CLO230417-010001
Order Date: 2023-04-17
Sample # AAEJ041

Sampling Date: 2023-04-20
Lab Batch Date: 2023-04-20
Completion Date: 2023-04-30

Initial Gross Weight: 117.392 g
Net Weight: 50.320 g

Number of Units: 1
Net Weight per Unit: 50320.000 mg
Sampling Method: MSP 7.3.1



Product Image



Pesticides
Passed



Potency
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Residual Solvents
Passed



Residual Solvents
Passed



Water Activity
Tested



Listeria Monocytogenes
Passed



Pathogenic
Passed



Microbiology Petrifilm
Passed



Potency 10

Specimen Weight: 115.400 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.001	71.940	7.194
Delta-9 THC	100.000	1.30E-5	0.1	2.950	0.295
CBG	100.000	2.48E-4	0.001	1.620	0.162
CBDV	100.000	6.50E-5	0.001	1.230	0.123
CBC	100.000	1.80E-5	0.001	0.500	0.050
CBDA	100.000	1.00E-5	0.001	<LOQ	<LOQ
CBGA	100.000	8.00E-5	0.001	<LOQ	<LOQ
CBN	100.000	1.40E-5	0.001	<LOQ	<LOQ
THCA-A	100.000	3.20E-5	0.1	<LOQ	<LOQ
THCV	100.000	7.00E-6	0.1	<LOQ	<LOQ
Total Active CBD	100.000			71.940	7.194
Total Active THC	100.000			2.950	0.295



Potency Summary

Total Active THC 0.295% 148.440mg	Total Active CBD 7.194% 3,620.020
Total CBG 0.162% 81.520mg	Total CBN None Detected
Other Cannabinoids 0.158% 79.510mg	Total Cannabinoids 7.809% 3,929.490



Heavy Metals

Specimen Weight: 251.640 mg

Passed

SOP13.048 (ICP-MS)

Dilution Factor: 198

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

Aixia Sun

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THC + (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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8-THC + Delta9-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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) = Water Activity, (mg/Kg) = Milligram per Kilogram, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, *Measurement of Uncertainty = +/- 10%

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Sampling Method: MSP 7.3.1



Mycotoxins - CO

Specimen Weight: 527.240 mg

Dilution Factor: 2.850

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.7250E-1	2.5	5	<LOQ
Aflatoxin Total		2.5	20	<LOQ

Passed

SOP 14.003 (LCMS)

Water Activity

Net Weight: 50.320 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.254

Tested

SOP13.016
(Water Activity Analyzer)



Residual Solvents - FL

Specimen Weight: 312.600 mg

Dilution Factor: 50.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.132	8	<LOQ
1,2-Dichloroethane	0.0003	0.032	2	<LOQ
Acetonitrile	0.06	0.96	60	<LOQ
Butanes	0.4167	13.32	2000	<LOQ
Ethyl Acetate	0.0012	6.4	400	<LOQ
Ethyl Ether	0.0049	8	500	<LOQ
Ethylene Oxide	0.0038	0.32	5	<LOQ

Passed

SOP13.056 (GCMS)

Listeria Monocytogenes

Specimen Weight: 1008.790 mg

Dilution Factor: 1.000

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

Passed

SOP13.032
(qPCR)



Residual Solvents UT

Specimen Weight: 51.900 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,2-Dimethoxyethane	0.004	6.4	100	<LOQ
1,4-Dioxane	0.0022	8	380	<LOQ
1-Butanol	0.0103	6.4	5000	<LOQ
1-Pentanol	0.0103	0.32	5000	<LOQ
1-Propanol	0.0003	8	5000	<LOQ
2,2-dimethylbutane	0.0016	12	290	<LOQ
2,3-dimethylbutane	0.0011	26.668	290	<LOQ
2-Butanol	0.0002	8	5000	<LOQ
2-Ethoxyethanol	0.0013	4	160	<LOQ
2-methylbutane	0.0108	2	5000	<LOQ
2-Methylpentane	0.0005	6.4	290	<LOQ
2-Propanol (IPA)	0.111	6.4	5000	<LOQ
3-Methylpentane	0.0003	2.4	290	<LOQ
Acetone	0.0009	12	5000	<LOQ
Acetonitrile	0.0011	0.96	410	<LOQ
Benzene	0.0003	0.016	2	<LOQ
Butane	0.0028	13.32	5000	<LOQ
Cumene	0.0002	0.032	70	<LOQ
Cyclohexane	0.0024	0.032	3880	<LOQ
Dichloromethane	0.0006	0.8	600	<LOQ
Dimethyl sulfoxide	0.001	6.4	5000	<LOQ

Passed

SOP13.056, SOP13.039
(GCMS)

Pathogenic SAE (qPCR) - CO

Specimen Weight: 25.255 g

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus flavus	1	Absence in 1g
Salmonella	25	Absence in 25g

Passed

SOP13.029
(qPCR)



Microbiology (Petrifilm/Plating) - CO

Specimen Weight: 992.180 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	10000	<10
Total Coliform	10	100	<10

Passed

SOP13.003
(Petrifilm)

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Definitions are found on page 1

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Dilution Factor: 2.850

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Abamectin	0.000318	250	250	<LOQ	Dodermorph	0.00000000000647	50	0	<LOQ	Naled	0.00000585	100	0	<LOQ
Acephate	0.039632	50	50	<LOQ	Endosulfan sulfate	0.88376	2500	2500	<LOQ	Novaluron	0.000205	25	25	<LOQ
Acequinocyl	0.057646	30	0	<LOQ	Endosulfan-alpha	12.22	2500	2500	<LOQ	Oxamyl	0.001619	1500	1500	<LOQ
Acetamiprid	0.00000000338	50	50	<LOQ	Endosulfan-beta	22.76	2500	2500	<LOQ	Paclobutrazol	0.000000693	10	10	<LOQ
Aldicarb	0.022744	500	500	<LOQ	Ethoprophos	0.0000159	10	10	<LOQ	Pentachloronitrobenzen(Quintozene)	4.39	20	0	<LOQ
Allethrin	0.472436	100	100	<LOQ	Etofenprox	0.008305	50	0	<LOQ	Pemethrin	0.022089	500	0	<LOQ
Atrazine	0.379918	25	0	<LOQ	Etoxazole	0.835582	20	0	<LOQ	Phenothrin	0.00000212	50	0	<LOQ
Azadirachtin	0.003071	500	500	<LOQ	Etridiazole	4.02	150	150	<LOQ	Phosmet	0.009615	20	0	<LOQ
Azoxystrobin	0.013247	10	10	<LOQ	Fenhexamid	1.094685	125	0	<LOQ	Piperonylbutoxide	0.000000134	1250	1250	<LOQ
Benzovindiflupyr	0.012567	10	10	<LOQ	Fenoxycarb	0.345072	10	10	<LOQ	Pirimicarb	0.0000566	10	10	<LOQ
Bifenazate	0.0000000217	10	10	<LOQ	Fenpyroximate	0.000000448	20	0	<LOQ	Prallethrin	0.167321	50	0	<LOQ
Bifenthrin	0.000842	1000	0	<LOQ	Fensulfothion	0.000794	10	10	<LOQ	Propiconazole	0.00000000000213	10	0	<LOQ
Boscalid	0.00000433	10	10	<LOQ	Fenthion	4.911315	10	10	<LOQ	Propoxur	0.350807	10	10	<LOQ
Buprofezin	0.00000000166	20	0	<LOQ	Fenvalerate	0.597752	100	0	<LOQ	Pyraclostrobin	0.000000531	10	10	<LOQ
Carbaryl	0.0000138	25	25	<LOQ	Fipronil	0.028847	10	10	<LOQ	Pyrethrins	0.006235	50	0	<LOQ
Carbofuran	0.0000776	10	10	<LOQ	Flonicamid	0.069733	25	25	<LOQ	Pyridaben	0.000000000000875	20	20	<LOQ
Chlorantraniliprole	0.135592	20	0	<LOQ	Fludioxonil	0.013402	10	10	<LOQ	Pyriproxyfen	0.0000958	10	0	<LOQ
Chlorfenapyr	15.37	1500	1500	<LOQ	Fluopyram	0.00000000112	10	10	<LOQ	Resmethrin	0.068013	50	50	<LOQ
Chlorpyrifos	0.0000909	500	500	<LOQ	Hexythiazox	0.0000619	10	0	<LOQ	Spinetoram	0.023645	10	10	<LOQ
Clofentezine	0.000000371	10	10	<LOQ	Imazalil	0.000295	10	10	<LOQ	Spinosad	0.599029	10	10	<LOQ
Clothianidin	0.000399	25	25	<LOQ	Imidacloprid	0.000153	10	10	<LOQ	Spirodiclofen	0.3737699.6	250	0	<LOQ
Coumaphos	0.0000986	10	10	<LOQ	Iprodione	0.105543	500	500	<LOQ	Spiromesifen	0.321831	3000	0	<LOQ
Cyantraniliprole	0.006004	10	10	<LOQ	Kinoprene	3.4	500	1250	<LOQ	Spirotetramat	0.04276	10	10	<LOQ
Cyfluthrin	28.13	200	0	<LOQ	Kresoxim Methyl	0.000145	150	150	<LOQ	Spiroxamine	1.217217	100	0	<LOQ
Cypermethrin	0.00000119	300	0	<LOQ	Lambda Cyhalothrin	0.116859	250	0	<LOQ	Tebuconazole	0.0000000000000148	10	10	<LOQ
Cyprodinil	0.001141	10	10	<LOQ	Malathion	0.000133	10	10	<LOQ	Tebufenozide	0.018121	10	10	<LOQ
Daminozide	0.30408	100	0	<LOQ	Metalaxyl	0.0000486	10	10	<LOQ	Teflubenzuron	0.01662	25	25	<LOQ
Deltamethrin	0.492837	500	0	<LOQ	Methiocarb	0.002281	10	10	<LOQ	Tetrachlorvinphos	0.839125	10	10	<LOQ
Diazinon	0.000000000391	20	0	<LOQ	Methomyl	0.00000115	25	25	<LOQ	Tetramethrin	0.0000992	100	0	<LOQ
Dichlorvos	1.140571	50	50	<LOQ	Methoprene	1.148463	2000	0	<LOQ	Thiabendazole	0.001251	20	0	<LOQ
Dimethoate	0.00000284	10	10	<LOQ	methyl-Parathion	4.24	50	0	<LOQ	Thiacloprid	0.0000112	10	10	<LOQ
Dimethomorph	0.000157	50	0	<LOQ	Mevinphos	0.0000442	25	25	<LOQ	Thiamethoxam	0.00000225	10	10	<LOQ
Dinotefuran	0.236975	50	50	<LOQ	MGK-264	0.002588	50	0	<LOQ	Thiophanate-methyl	0.000223	50	0	<LOQ
Diuron	0.006862	125	0	<LOQ	Myclobutanil	0.700059	10	10	<LOQ	Trifloxystrobin	0.000000000000217	10	10	<LOQ

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