



Certificate of Analysis
Compliance Test

Client Information:

CLOUD CO. FARMS
PO BOX 681
ALAMOSA, CO 81101

Batch # CCF-FST1000-001 Test Reg State: Florida
Batch Date: 2024-02-07
Extracted From: CCF-02072024-D219

Order # CLO240306-030001
Order Date: 2024-03-06
Sample # AAFJ025

Sampling Date: 2024-03-08 Initial Gross Weight: 79.363 g
Lab Batch Date: 2024-03-08 Density: .974 g/ml
Completion Date: 2024-03-28 Volume: 30 ml



Product Image

Pesticides
Passed

Potency
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Residual Solvents
Passed

Residual Solvents
Passed

Water Activity
Tested

Pathogenic Microbiology
Passed

Microbiology (qPCR)
Passed

Microbiology Petrifilm
Passed

Potency 10

Specimen Weight: 107.770 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	5.40E-5	0.015	36.905	3.789
CBDV	10.000	6.50E-5	0.015	1.666	0.171
Delta-9 THC	10.000	1.30E-5	0.015	0.769	0.079
CBG	10.000	2.48E-4	0.015	0.360	0.037
THCV	10.000	7.00E-6	0.015	0.244	0.025
CBC	10.000	1.80E-5	0.015	0.195	0.020
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
Total Active CBD	10.000			37.890	3.789
Total Active THC	10.000			0.790	0.079

Potency Summary

Total Active THC 0.079% 23.0838 mg	Total Active CBD 3.789% 1107.146 mg
Total CBG 0.037% 10.811 mg	Total CBN None Detected
Other Cannabinoids 0.216% 63.115 mg	Total Cannabinoids 4.121% 1204.156 mg

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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 = Delta6a10a-THC + Delta8-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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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Water Activity
Specimen Weight: 0.500 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.292

Tested
SOP13.016 (Water Activity Analyzer)

Total Yeast and Mold
Specimen Weight: 486.800 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Passed
SOP13.017 (qPCR)

Microbiology (Petrifilm/Plating) - CO
Specimen Weight: 1005.300 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	10000	<10	Yeast/Mold	10	1000	<10
Total Coliform	10	100	<10				

Passed
SOP13.003 (Petrifilm)

Pathogenic Microbiology SAE (MicroArray) - CO

Specimen Weight: 25.120 g

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 25g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 25g

Passed
SOP13.019 (Micro Array)

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FL License # CMTL-0003
CLIA No. 10D1094068

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Mycotoxins - CO
Specimen Weight: 584.500 mg

Passed
SOP14.003 (LCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.7250E-1	2.5	5	<LOQ	Ochratoxin A	1.8997E-1	3.5	5	<LOQ
Aflatoxin Total		2.5	20	<LOQ					

Heavy Metals
Specimen Weight: 253.000 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 197

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

Residual Solvents - FL
Specimen Weight: 317.300 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 50.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.132	8	<LOQ	Heptane	0.0013	8	500	<LOQ
1,2-Dichloroethane	0.0003	0.032	2	<LOQ	Isopropyl alcohol	0.0048	8	500	<LOQ
Acetonitrile	0.06	0.96	60	<LOQ	Methylene chloride	0.0029	2	125	<LOQ
Butanes	0.4167	13.32	2000	<LOQ	Propane	0.031	26.668	2100	<LOQ
Ethyl Acetate	0.0012	6.4	400	<LOQ	Total Xylenes	0.0001	7.2	150	<LOQ
Ethyl Ether	0.0049	8	500	<LOQ	Trichloroethylene	0.0014	0.4	25	<LOQ
Ethylene Oxide	0.0038	0.32	5	<LOQ					

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Residual Solvents UT
Specimen Weight: 50.000 mg

Passed
SOP13.056 (GCMS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,2 Dimethoxyethane	0.004	6.4	100	<LOQ	Ethyl Ether	0.0004	8	5000	<LOQ
1,4 Dioxane	0.0022	8	380	<LOQ	Ethylbenzene	0.0002	6.4	1000	<LOQ
1-Butanol	0.0103	6.4	5000	<LOQ	Ethylene glycol	0.0013	6.4	620	<LOQ
1-Pentanol	0.0103	0.32	5000	<LOQ	Ethylene Oxide	0.149	0.32	50	<LOQ
1-Propanol	0.0003	8	5000	<LOQ	Heptane	0.0022	8	5000	<LOQ
2,2-dimethylbutane	0.0016	12	290	<LOQ	Isopropyl acetate	0.0012	8	5000	<LOQ
2,3-dimethylbutane	0.0011	26.668	290	<LOQ	Isopropyl alcohol	0.111	6.4	5000	<LOQ
2-Butanol	0.0002	8	5000	<LOQ	Methanol	0.0021	4	3000	<LOQ
2-Ethoxyethanol	0.0013	4	160	<LOQ	Methylene chloride	0.0006	0.8	600	<LOQ
2-methylbutane	0.0108	2	5000	<LOQ	Methylpropane	0.0366	2	5000	<LOQ
2-Methylpentane	0.0005	6.4	290	<LOQ	N,N-dimethylacetamide	0.0229	6.4	1090	<LOQ
3-Methylpentane	0.0003	2.4	290	<LOQ	N,N-dimethylformamide	0.005	0.132	880	<LOQ
Acetone	0.0009	12	5000	<LOQ	n-Hexane	0.0008	0.8	290	<LOQ
Acetonitrile	0.0011	0.96	410	<LOQ	Pentane	0.0167	12	5000	<LOQ
Benzene	0.0003	0.016	2	<LOQ	Propane	0.0849	26.668	5000	<LOQ
Butane	0.0028	13.32	5000	<LOQ	Pyridine	0.0014	6.4	100	<LOQ
Cumene	0.0002	0.032	70	<LOQ	Sulfolane	0.0518	6.4	160	<LOQ
Cyclohexane	0.0024	0.032	3880	<LOQ	Tetrahydrofuran	0.0006	6.4	720	<LOQ
Dimethyl sulfoxide	0.001	6.4	5000	<LOQ	Toluene	0.0003	2.4	890	<LOQ
Ethanol	0.0044	16	NA	<LOQ	Total Xylenes	0.0002	7.2	1000	<LOQ
Ethyl Acetate	0.0017	6.4	5000	<LOQ					

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Pesticides - CO

Specimen Weight: 584.500 mg

Passed

SOP14.003 (LCMS/GCMS)

Dilution Factor: 2.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.000318	250	250	<LOQ						Naled	0.00000585	100	0	<LOQ
Acephate	0.039632	50	50	<LOQ	Dodemorph	0.00000000000647	50	0	<LOQ	Novaluron	0.000205	25	25	<LOQ
Acetaminophol	0.057646	30	0	<LOQ	Endosulfan sulfate	0.88376	2500	2500	<LOQ	Oxamyl	0.001619	1500	1500	<LOQ
Acetamiprid	0.00000000338	50	50	<LOQ	Endosulfan-alpha	12.22	2500	2500	<LOQ	Paclbutrazol	0.0000000693	10	10	<LOQ
Aldicarb	0.022744	500	500	<LOQ	Endosulfan-beta	22.76	2500	2500	<LOQ	Pentachloronitrobenzen (Quintozene)	4.39	20	0	<LOQ
Allethrin	0.472436	100	100	<LOQ	Ethoprophos	0.0000159	10	10	<LOQ	Permethrin	0.022089	500	0	<LOQ
Atrazine	0.379918	25	0	<LOQ	Etofenprox	0.008305	50	0	<LOQ	Phenothrin	0.000000212	50	0	<LOQ
Azadirachtin	0.003071	500	500	<LOQ	Etoxazole	0.835582	20	0	<LOQ	Phosmet	0.009615	20	0	<LOQ
Azoxystrobin	0.013247	10	10	<LOQ	Etridiazole	4.02	150	150	<LOQ	Piperonylbutoxide	0.000000134	1250	1250	<LOQ
Benzovindiflupyr	0.012567	10	10	<LOQ	Fenhexamid	1.094685	125	0	<LOQ	Pirimicarb	0.0000566	10	10	<LOQ
Bifenazate	0.0000000217	10	10	<LOQ	Fenoxycarb	0.345072	10	10	<LOQ	Prallethrin	0.167321	50	0	<LOQ
Bifenthrin	0.000842	1000	0	<LOQ	Fenpyroximate	0.000000448	20	0	<LOQ	Propiconazole	0.00000000000213	10	0	<LOQ
Boscalid	0.00000433	10	10	<LOQ	Fensulfothion	0.000794	10	10	<LOQ	Propoxur	0.350807	10	10	<LOQ
Buprofezin	0.0000000166	20	0	<LOQ	Fenthion	4.911315	10	10	<LOQ	Pyraclostrobin	0.000000531	10	10	<LOQ
Carbaryl	0.0000138	25	25	<LOQ	Fenvalerate	0.597752	100	0	<LOQ	Pyrethrins	0.006235	50	0	<LOQ
Carbofuran	0.0000776	10	10	<LOQ	Fipronil	0.028847	10	10	<LOQ	Pyridaben	0.000000000000875	20	20	<LOQ
Chlorantraniliprole	0.135592	20	0	<LOQ	Flonicamid	0.069733	25	25	<LOQ	Pyriproxyfen	0.0000958	10	0	<LOQ
Chlorfenapyr	15.37	1500	1500	<LOQ	Fludioxonil	0.013402	10	10	<LOQ	Resmethrin	0.068013	50	50	<LOQ
Chlorpyrifos	0.0000909	500	500	<LOQ	Fluopyram	0.0000000112	10	10	<LOQ	Spinetoram	0.023645	10	10	<LOQ
Clofentezine	0.000000371	10	10	<LOQ	Hexythiazox	0.0000619	10	0	<LOQ	Spinosad	0.599029	10	10	<LOQ
Clothianidin	0.000399	25	25	<LOQ	Imazalil	0.000295	10	10	<LOQ	Spirodiclofen	0.37376996	250	0	<LOQ
Coumaphos	0.0000986	10	10	<LOQ	Imidacloprid	0.000153	10	10	<LOQ	Spiromesifen	0.321831	3000	0	<LOQ
Cyantraniliprole	0.006004	10	10	<LOQ	Iprodione	0.105543	500	500	<LOQ	Spirotetramat	0.04276	10	10	<LOQ
Cyfluthrin	28.13	200	0	<LOQ	Kinoprene	3.4	500	1250	<LOQ	Spiroxamine	1.217217	100	0	<LOQ
Cypermethrin	0.00000119	300	0	<LOQ	Kresoxim Methyl	0.000145	150	150	<LOQ	Tebuconazole	0.000000000000148	10	10	<LOQ
Cyprodinil	0.001141	10	10	<LOQ	Lambda Cyhalothrin	0.116859	250	0	<LOQ	Tebufenozide	0.018121	10	10	<LOQ
Daminozide	0.30408	100	0	<LOQ	Malathion	0.000133	10	10	<LOQ	Teflubenzuron	0.01662	25	25	<LOQ
Deltamethrin	0.492837	500	0	<LOQ	Metaxyl	0.0000486	10	10	<LOQ	Tetrachlorvinphos	0.839125	10	10	<LOQ
Diazinon	0.00000000391	20	0	<LOQ	Methiocarb	0.002281	10	10	<LOQ	Tetramethrin	0.0000992	100	0	<LOQ
Dichlorvos	1.140571	50	50	<LOQ	Methomyl	0.00000115	25	25	<LOQ	Thiabendazole	0.001251	20	0	<LOQ
Dimethoate	0.00000284	10	10	<LOQ	Methoprene	1.148463	2000	0	<LOQ	Thiacloprid	0.0000112	10	10	<LOQ
Dimethomorph	0.000157	50	0	<LOQ	methyl-Parathion	4.24	50	0	<LOQ	Thiamethoxam	0.00000225	10	10	<LOQ
Diinotefuran	0.236975	50	50	<LOQ	Mevinphos	0.0000442	25	25	<LOQ	Thiophanate-methyl	0.000223	50	0	<LOQ
Diuron	0.006862	125	0	<LOQ	MGK-264	0.002588	50	0	<LOQ	Trifloxystrobin	0.000000000000217	10	10	<LOQ
					Myclobutanil	0.700059	10	10	<LOQ					

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