



Certificate of Analysis
Compliance Test

Client Information:

Extract Labs

1399 Horizon Ave.
Lafayette, CO 80026

Batch # 24G4010101
Batch Date: 2023-12-13
Extracted From: Hemp

Test Reg State: Colorado

Order # EXT231213-050001
Order Date: 2023-12-13
Sample # AAFD008

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 106.000 g
Density: 0.9835 g/ml
Volume: 1 ml



Product Image

Potency Tested	Heavy Metals Passed	Pesticides Passed	Mycotoxins Passed	Residual Solvents Passed
Pathogenic Microbiology Passed	Microbiology Petrifilm Passed			

Potency 10

Specimen Weight: 109.440 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	5.40E-5	0.015	38.907	3.956
CBG	10.000	2.48E-4	0.015	34.521	3.510
CBC	10.000	1.80E-5	0.015	3.668	0.373
Delta-9 THC	10.000	1.30E-5	0.015	1.288	0.131
CBDV	10.000	6.50E-5	0.015	0.384	0.039
CBN	10.000	1.40E-5	0.015	0.374	0.038
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	10.000			38.907	3.956
Total Active THC	10.000			1.288	0.131

Potency Summary

Total Active THC 0.131% 1.288 mg/ml	Total Active CBD 3.956% 38.907 mg/ml
Total CBG 3.510% 34.521 mg/ml	Total CBN 0.038% 0.374 mg/ml
Other Cannabinoids 0.412% 4.052 mg/ml	Total Cannabinoids 8.047% 79.142 mg/ml

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 = 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, 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 CO rule 6 CCR 1010-21. Failed - Analyte/microbe is at the level that equal or above the action limit per CO rule 6 CCR 1010-21 Sample not received via laboratory sampling. Pesticides indicators: 1=FL LOD/LOQ/AL; 2= CO LOD/LOQ/AL; 3 = CO LOD/ACS CO LOQ

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.



Certificate of Analysis
Compliance Test

Client Information:

Extract Labs

1399 Horizon Ave.
Lafayette, CO 80026

Batch # 24G4010101
Batch Date: 2023-12-13
Extracted From: Hemp

Test Reg State: Colorado

Order # EXT231213-050001
Order Date: 2023-12-13
Sample # AAFD008

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 106.000 g
Density: 0.9835 g/ml
Volume: 1 ml

Pathogenic Microbiology - SE (MicroArray) - CO

Specimen Weight: 25.547 g

Dilution Factor: 1.000

Analyte	Action Limit (cfu/g)	Result (cfu/g)	Analyte	Action Limit (cfu/g)	Result (cfu/g)
Salmonella	25	Absence in 25g	STEC	25	Absence in 25g

Passed

SOP13.019 (Micro Array)



Microbiology (Petrifilm) - CO

Specimen Weight: 1009.600 mg

Dilution Factor: 1.000

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

Passed

SOP13.003 (Petrifilm)

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

Definitions are found on page 1

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.





Certificate of Analysis
Compliance Test

Client Information:

Extract Labs

1399 Horizon Ave.
Lafayette, CO 80026

Batch # 24G4010101
Batch Date: 2023-12-13
Extracted From: Hemp

Test Reg State: Colorado

Order # EXT231213-050001
Order Date: 2023-12-13
Sample # AAFD008

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 106.000 g
Density: 0.9835 g/ml
Volume: 1 ml

Mycotoxins - CO
Specimen Weight: 597.600 mg

Passed
SOP14.003 (LCMS)

Dilution Factor: 2.510

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (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 - CO
Specimen Weight: 248.900 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 200.884

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	0.58	100	500	<LOQ
Cadmium (Cd)	0.64	100	500	<LOQ	Mercury (Hg)	11.76	100	1500	<LOQ

Residual Solvents - CO
Specimen Weight: 300.000 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 500.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)
Acetone	0.015	2.08	1000	<LOQ	Isopropyl alcohol	0.0048	1.39	1000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methanol	0.0005	0.69	600	<LOQ
Butanes	0.4167	2.5	1000	<LOQ	Pentane	0.037	2.08	1000	<LOQ
Ethanol	0.0021	2.78	1000	<LOQ	Propane	0.031	5.83	1000	<LOQ
Ethyl Acetate	0.0012	1.11	1000	<LOQ	Toluene	0.0009	2.92	180	<LOQ
Heptane	0.0013	1.39	1000	<LOQ	Total Xylenes	0.0001	2.92	430	<LOQ
Hexane	0.068	1.17	60	<LOQ					

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

Definitions are found on page 1

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.





Certificate of Analysis
Compliance Test

Client Information:

Extract Labs

1399 Horizon Ave.
Lafayette, CO 80026

Batch # 24G4010101
Batch Date: 2023-12-13
Extracted From: Hemp

Test Reg State: Colorado

Order # EXT231213-050001
Order Date: 2023-12-13
Sample # AAFD008

Sampling Date: 2023-12-19
Lab Batch Date: 2023-12-19
Completion Date: 2023-12-22

Initial Gross Weight: 106.000 g
Density: 0.9835 g/ml
Volume: 1 ml

National Panel Pesticides

Specimen Weight: 597.600 mg

Passed

SOP14.003 (LCMS/GCMS)

Dilution Factor: 2.510

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Acephate ¹	0.467	9.6	3000	<LOQ	Dinotefuran ²	0.236975	9.6	50	<LOQ	MGK-264 ³	0.002068	7.4	7.4	<LOQ
Acequinocyl ¹	0.801	9.6	2000	<LOQ	Diuron ³	0.006862	9.6	9.6	<LOQ	Myclobutanil ¹	0.571	9.6	3000	<LOQ
Acetamiprid ¹	0.080	9.6	3000	<LOQ	Dodemorph ³	6.47E-12	9.6	9.6	<LOQ	Naled ¹	0.083	9.6	500	<LOQ
Aldicarb ¹	0.124	9.6	100	<LOQ	Endosulfan sulfate ³	0.88376	9.6	2500	<LOQ	Novaluron ²	0.000205	9.6	25	<LOQ
Allethrin ²	0.472436	9.6	100	<LOQ	Endosulfan-alpha ²	12.22	30	2500	<LOQ	Oxamyl ¹	0.123	9.6	500	<LOQ
Atrazine ³	0.379918	9.6	9.6	<LOQ	Endosulfan-beta ²	22.76	30	2500	<LOQ	Pacllobutrazol ¹	0.123	9.6	100	<LOQ
Azadirachtin ²	0.003071	9.6	500	<LOQ	Ethoprophos ¹	0.192	9.6	100	<LOQ	Pentachloronitrobenzen (Quintozene) ¹	1.817	9.6	200	<LOQ
Azoxystrobin ¹	0.683	9.6	3000	<LOQ	Etofenprox ¹	0.116	9.6	100	<LOQ	Permethrin ¹	0.718	9.6	1000	<LOQ
Benzovindiflupyr ²	0.012567	9.6	10	<LOQ	Etoxazole ¹	0.570	9.6	1500	<LOQ	Phenothrin ³	0.00000212	9.6	9.6	<LOQ
Bifenazate ¹	0.121	9.6	3000	<LOQ	Etridiazole ²	4.02	9.6	150	<LOQ	Phosmet ¹	0.301	9.6	200	<LOQ
Bifenthrin ¹	0.082	9.6	500	<LOQ	Fenhexamid ¹	1.011	9.6	3000	<LOQ	Piperonylbutoxide ¹	0.217	9.6	3000	<LOQ
Boscalid ¹	0.153	9.6	3000	<LOQ	Fenoxycarb ¹	0.169	9.6	100	<LOQ	Pirimicarb ²	0.0000566	9.6	10	<LOQ
Buprofezin ³	1.66E-9	9.6	9.6	<LOQ	Fenpyroximate ¹	0.139	9.6	2000	<LOQ	Prallethrin ¹	1.365	9.6	400	<LOQ
Captan ¹	8.966	48	3000	<LOQ	Fensulfthion ²	0.000794	9.6	10	<LOQ	Propiconazole ¹	0.259	9.6	1000	<LOQ
Carbaryl ¹	0.118	9.6	500	<LOQ	Fenthion ²	4.911315	9.6	10	<LOQ	Propoxur ¹	0.147	9.6	100	<LOQ
Carbofuran ¹	0.178	9.6	100	<LOQ	Fenvalerate ³	0.597752	9.6	9.6	<LOQ	Pyraclostrobin ²	5.31E-7	9.6	10	<LOQ
Chlorantraniliprole ¹	0.052	9.6	3000	<LOQ	Fipronil ¹	0.605	9.6	100	<LOQ	Pyrethrins ¹	0.256	1.4	1000	<LOQ
Chlordane ¹	3.121	9.6	100	<LOQ	Flonicamid ¹	0.128	9.6	2000	<LOQ	Pyridaben ¹	0.059	9.6	3000	<LOQ
Chlorfenapyr ¹	0.139	9.6	100	<LOQ	Fludioxonil ¹	0.521	9.6	3000	<LOQ	Pyriproxyfen ³	0.0000958	9.6	9.6	<LOQ
Chloromequat Chloride ¹	0.783	9.6	3000	<LOQ	Fluopyram ²	1.12E-9	9.6	10	<LOQ	Resmethrin ²	0.068013	9.6	50	<LOQ
Chlorpyrifos ¹	0.271	9.6	100	<LOQ	Hexythiazox ¹	0.045	9.6	2000	<LOQ	Spinetoram ¹	0.346	9.6	3000	<LOQ
Clofentezine ¹	0.119	9.6	500	<LOQ	Imazalil ¹	0.639	9.6	100	<LOQ	Spinosad ¹	0.028	2.39	3000	<LOQ
Clothianidin ²	0.000399	9.6	25	<LOQ	Imidacloprid ¹	0.159	9.6	3000	<LOQ	Spirodiclofen ³	0.373769	9.6	9.6	<LOQ
Coumaphos ¹	0.129	9.6	100	<LOQ	Iprodione ²	0.105543	9.6	500	<LOQ	Spiromesifen ¹	0.291	9.6	3000	<LOQ
Cyantraniliprole ²	0.006004	9.6	10	<LOQ	Kinoprene ²	3.4	441.6	1250	<LOQ	Spirotetramat ¹	0.141	9.6	3000	<LOQ
Cyfluthrin ¹	7.730	48	1000	<LOQ	Kresoxim Methyl ¹	0.268	9.6	1000	<LOQ	Spiroxamine ¹	0.119	9.6	100	<LOQ
Cypermethrin ¹	0.887	9.6	1000	<LOQ	Lambda Cyhalothrin ³	0.116859	9.6	9.6	<LOQ	Tebuconazole ¹	1.48E-14	9.6	1000	<LOQ
Cyprodinil ²	0.001141	9.6	10	<LOQ	Malathion ¹	0.410	9.6	2000	<LOQ	Tebufenozide ²	0.018121	9.6	10	<LOQ
Daminozide ¹	1.797	9.6	100	<LOQ	Metalaxyl ¹	0.749	9.6	3000	<LOQ	Teflubenzuron ²	0.01662	9.6	25	<LOQ
Deltamethrin ³	0.492837	9.6	9.6	<LOQ	Methiocarb ¹	0.099	9.6	100	<LOQ	Tetrachlorvinphos ²	0.839125	9.6	10	<LOQ
Diazinon ¹	1.328	9.6	200	<LOQ	Methomyl ¹	0.121	9.6	100	<LOQ	Tetramethrin ³	0.0000992	9.6	9.6	<LOQ
Dichlorvos ¹	0.465	9.6	100	<LOQ	Methoprene ³	1.148463	9.6	9.6	<LOQ	Thiabendazole ³	0.001251	9.6	9.6	<LOQ
Dimethoate ¹	0.366	9.6	100	<LOQ	methyl-Parathion ¹	3.065	9.6	100	<LOQ	Thiacloprid ¹	0.397	9.6	100	<LOQ
Dimethomorph ¹	0.272	9.6	3000	<LOQ	Mevinphos ¹	1.370	9.6	100	<LOQ	Thiamethoxam ¹	0.104	9.6	1000	<LOQ
										Thiophanate-methyl ³	0.000223	9.6	9.6	<LOQ
										Trifloxystrobin ¹	0.088	9.6	3000	<LOQ

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

Definitions are found on page 1

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. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.

