

Certificate of Analysis

R&D
ColoradoTincture
Sample Matrix:
HEMP
Extract
Ingestion

Client Information:

Swiss Vitalis LLC
254 Chapman Rd.
Ste 208 #15869
Newark, DE 19702

Order Details:

Order # - CLO261012-010001
Order Date: 2026-10-12
Sample # AAIA808

Batch Data:

Batch # SV-FST6000-002
Batch Date: 2026-10-12
Extracted From: HempReceipt Date: 2026-10-19
Lab Batch Date: 2026-10-19
Orig. Completion Date: 2026-10-27Initial Gross Weight: 159.100 g
Density: 0.95 g/ml
Volume: 30 mlServings Per Package:
1

Statement of Amendment: Report format



Product Image

Potency
PassedTerpenes
PassedHeavy Metals
PassedMycotoxins
PassedPesticides
PassedResidual Solvents
PassedPathogenic Microbiology
PassedMicrobiology Petrifilm
PassedFiltration and Foreign
Passed

Potency Summary

Total THC	0.238%	Total CBD	22.1%
per Serving	67.8 mg	per Serving	6310 mg
per Package	67.8 mg	per Package	6310 mg
Total CBG	0.216%	Total CBN	<LOQ
per Serving	61.6 mg	per Serving	0.00 mg
per Package	61.6 mg	per Package	0.00 mg
Total Cannabinoids	23.1%	Ratio CBD:THC	93.01:1
per Serving	6580 mg		
per Package	6580 mg		



Terpenes Summary

Analyte	Result (mg/g)	(%)
beta-Myrcene	4.871	0.487%
trans-Caryophyllene	2.603	0.26%
Linalool	2.584	0.258%
(R)-(+)-Limonene	1.907	0.191%
trans-Nerolidol	1.45	0.145%
alpha-Phellandrene	0.235	0.024%
alpha-Humulene	0.171	0.017%

Total Terpenes: 1.382%

Detailed Terpenes Analysis is on the following page

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 * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + 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, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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 regulatory state rule CO. Failed - Analyte/microbe is at the level that equal or above the action limit per state rule. The results apply to the sample as received. Client supplied the net weight of ml Revised report- see statement of amendment above.

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Servings Per Package:
1



Potency 11 (LCUV)
Sample Weight: 100.690 mg

Passed

SOP13.001 (LCUV)

Pieces For Panel: 1

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/ml)	(%)	Per Serving (mg)	Per Package (mg)
CBD	10.000	0.0000540	0.015	210	22.1	6310	6310
CBC	10.000	0.0000180	0.015	3.20	0.337	96.0	96.0
Delta-9 THC	10.000	0.0000130	0.015	2.26	0.238	67.8	67.8
CBG	10.000	0.000248	0.015	2.05	0.216	61.6	61.6
CBDV	10.000	0.0000650	0.015	1.67	0.176	50.2	50.2
CBDA	10.000	0.0000100	0.015	ND	ND	0.00	0.00
CBGA	10.000	0.0000800	0.015	ND	ND	0.00	0.00
CBN	10.000	0.0000140	0.015	ND	ND	0.00	0.00
Delta-8 THC	10.000	0.0000260	0.015	ND	ND	0.00	0.00
THCA-A	10.000	0.0000320	0.015	ND	ND	0.00	0.00
THCV	10.000	0.0000700	0.015	ND	ND	0.00	0.00
Total CBD	10.000	0.00		210	22.1	6310	6310
Total THC	10.000	0.00		67.8	0.238	67.8	67.8

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Terpenes Sample Weight: 503.300 mg
Dilution Factor: 200.000

Passed
SOP13.045 (GC-MS/GC (Liquid Injection))

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
beta-Myrcene	0.002	4.87	0.487	Eucalyptol	0.002	ND	
trans-Caryophyllene	0.002	2.60	0.260	Farnesene	0.002	ND	
Linalool	0.002	2.58	0.258	Fenchone	0.002	ND	
(R)-(+)-Limonene	0.002	1.91	0.191	Fenchyl Alcohol	0.002	ND	
trans-Nerolidol	0.002	1.45	0.145	Gamma-Terpinene	0.002	ND	
alpha-Phellandrene	0.002	0.235	0.024	Geraniol	0.002	ND	
alpha-Humulene	0.002	0.171	0.017	Geranyl acetate	0.002	ND	
(+)-Cedrol	0.002	ND		Guaiol	0.002	ND	
3-Carene	0.002	ND		Hexahydrothymol	0.002	ND	
alpha-Bisabolol	0.002	ND		Isoborneol	0.002	ND	
alpha-Cedrene	0.002	ND		Isopulegol	0.002	ND	
alpha-Pinene	0.002	ND		Nerol	0.002	ND	
alpha-Terpinene	0.002	ND		Ocimene	0.00033	ND	
beta-Pinene	0.002	ND		Pulegone	0.002	ND	
Borneol	0.004	ND		Sabinene	0.002	ND	
Camphene	0.002	ND		Sabinene Hydrate	0.002	ND	
Camphors	0.006	ND		Terpinolene	0.002	ND	
Caryophyllene oxide	0.002	ND		Total Terpeneol	0.00126	ND	
cis-Nerolidol	0.002	ND		Valencene	0.002	ND	



Pathogenic Microbiology - SE (MicroArray) - CO Sample Weight: 25.000 g
Dilution Factor: 1.000

Passed
SOP13.019 (Micro Array)

Analyte	Action Limit (cfu/g)	Result (cfu/g)	Analyte	Action Limit (cfu/g)	Result (cfu/g)
Salmonella	1	Absence in 25g	STEC	1	Absence in 25g



Microbiology Plating Multi State Sample Weight: 1005.500 mg
Dilution Factor: 1.000

Passed
SOP13.003 (Petrifilm)

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

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Filth and Foreign Material Sample Weight: Whole Sample Dilution Factor: 1.000

Passed

SOP13.020 (Electronic Balance)

Analyte	Action Limit (%)	Result (%)	Analyte	Action Limit (%)	Result (%)
Covered Area	10	ND	Weight %	1	ND
Feces	0.5	ND			

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Servings Per Package:
1



Heavy Metals Multi State - Ingestion Sample Weight: 256.500 mg

Dilution Factor: 194.932

Passed
SOP13.048 (ICP-MS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Arsenic (As)	0.013	100	1500	ND	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	ND	Mercury (Hg)	0.016	100	1500	ND



Mycotoxins Multi State Sample Weight: 594.000 mg

Dilution Factor: 2.530

Passed
SOP14.003 (GCMS/LCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Aflatoxin B1	0.304	1.9	5	ND	Aflatoxin G2	0.271	1.9	20	ND
Aflatoxin B2	0.077	1.9	20	ND	Aflatoxin Total	0.077	1.9	20	ND
Aflatoxin G1	0.304	1.9	20	ND	Ochratoxin A	0.754	3.8	5	ND



Residual Solvents CO Extended Sample Weight: 54.100 mg

Dilution Factor: 1.000

Passed
SOP13.039,SOP13.056 (GCMS-HS,GCMS- (HS))

Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Limit (ppm)	Result (ppm)
1-Butanol	0.010	0.5	1000	ND	Heptane	0.002	0.5	1000	ND
1-Pentanol	0.010	0.5	1000	ND	Hexane	0.001	0.5	10	ND
1-Propanol	0.000	0.5	1000	ND	Isobutyl acetate	1.067	4	1000	ND
2-Butanol	0.000	0.5	1000	ND	Isopropyl acetate	0.001	0.5	1000	ND
2-Methyl-1-propanol	1.004	4	1000	ND	Isopropyl alcohol	0.111	0.5	1000	ND
3-methyl-1-butanol	0.696	4	1000	ND	Methanol	0.002	0.5	100	ND
Acetic acid	0.712	4	1000	ND	Methyl acetate	1.116	4	1000	ND
Acetone	0.001	0.5	1000	ND	Methylene chloride	0.003	0.5	3	ND
Anisole	1.042	4	1000	ND	Methylethyl ketone	0.009	0.5	1000	ND
Benzene	0.000	0.5	2	ND	Pentane	0.017	0.5	1000	ND
Butanes	0.003	0.5	100	ND	Propane	0.085	0.5	100	ND
Butyl acetate	0.686	4	1000	ND	Propyl acetate	1.302	4	1000	ND
Ethanol	0.000	0.5	5000	ND	tert-Butyl methyl ether	0.595	4	1000	ND
Ethyl Acetate	0.002	0.5	1000	ND	Toluene	0.000	0.5	20	ND
Ethyl Ether	0.000	0.5	1000	ND	Total Butane	0.037	0.5	100	ND
Ethyl formate	0.870	4	1000	ND	Total Xylenes	0.003	0.5	40	ND
Formic acid	1.078	4	1000	ND	Triethylamine	0.891	4	100	ND

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Pesticides - CO Sample Weight: 594.000 mg
Dilution Factor: 2.530

Passed

SOP14.003 (GCMS/LCMS)

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)
Abamectin	0.000	250	250	ND	Dodemorph	0.000	24.8	24.8	ND	Naled	0.000	24.8	24.8	ND
Acephate	0.040	50	50	ND	Endosulfan sulfate	0.884	2500	2500	ND	Novaluron	0.000	25	25	ND
Acequinocyl	0.058	24.8	24.8	ND	Endosulfan-alpha	0.046	24.8	2500	ND	Oxaryl	0.002	1500	1500	ND
Acetamiprid	0.000	50	50	ND	Endosulfan-beta	0.063	24.8	2500	ND	Paclobutrazol	0.000	10	10	ND
Aldicarb	0.023	500	500	ND	Ethoprophos	0.000	10	10	ND	Pentachloronitrobenzen	0.050	24.8	24.8	ND
Allethrin	0.472	100	100	ND	Etofenprox	0.008	24.8	24.8	ND	Permethrin	0.006	24.8	24.8	ND
Atrazine	0.380	24.8	24.8	ND	Etoxazole	0.836	24.8	24.8	ND	Phenothrin	0.000	24.8	24.8	ND
Azadirachtin	0.003	500	500	ND	Etridiazole	0.072	24.8	24.8	ND	Phosmet	0.010	24.8	24.8	ND
Azoxystrobin	0.013	10	10	ND	Fenhexamid	1.095	24.8	24.8	ND	Piperonylbutoxide	0.000	1250	1250	ND
Benzovindiflupyr	0.013	10	10	ND	Fenoxycarb	0.345	10	10	ND	Pirimicarb	0.000	10	10	ND
Bifenazate	0.000	10	10	ND	Fenpyroximate	0.000	24.8	24.8	ND	Prallethrin	0.167	24.8	24.8	ND
Bifenthrin	0.001	24.8	24.8	ND	Fensulfothion	0.001	10	10	ND	Propiconazole	0.000	24.8	24.8	ND
Boscalid	0.000	10	10	ND	Fenthion	4.911	10	10	ND	Propoxur	0.351	10	10	ND
Buprofezin	0.000	24.8	24.8	ND	Fenvalerate	0.598	24.8	24.8	ND	Pyraclostrobin	0.000	10	10	ND
Carbaryl	0.000	25	25	ND	Fipronil	0.029	10	10	ND	Pyrethrins	0.002	24.8	24.8	ND
Carbofuran	0.000	10	10	ND	Flonicamid	0.070	25	25	ND	Pyridaben	0.000	20	20	ND
Chlorantraniliprole	0.136	24.8	24.8	ND	Fludioxonil	0.013	10	10	ND	Pyriproxyfen	0.000	24.8	24.8	ND
Chlorfenapyr	0.046	24.8	24.8	ND	Fluopyram	0.000	10	10	ND	Resmethrin	0.068	50	50	ND
Chlorpyrifos	0.000	500	500	ND	Hexythiazox	0.000	24.8	24.8	ND	Spinetoram	0.024	10	10	ND
Clofentezine	0.000	10	10	ND	Imazalil	0.000	10	10	ND	Spinosad	0.135	10	10	ND
Clothianidin	0.000	25	25	ND	Imidacloprid	0.000	10	10	ND	Spirodiclofen	0.374	24.8	24.8	ND
Coumaphos	0.000	10	10	ND	Iprodione	0.106	500	500	ND	Spiromesifen	0.322	24.8	24.8	ND
Cyantraniliprole	0.006	10	10	ND	Kinoprene	0.091	1142.1	1380	ND	Spirotetramat	0.043	10	10	ND
Cyfluthrin	0.056	397.2	397.2	ND	Kresoxim Methyl	0.000	150	150	ND	Spiroxamine	1.217	24.8	24.8	ND
Cypermethrin	0.000	24.8	24.8	ND	Lambda Cyhalothrin	0.117	24.8	24.8	ND	Tebuconazole	0.000	10	10	ND
Cyprodinil	0.001	10	10	ND	Malathion	0.000	10	10	ND	Tebufenozide	0.018	10	10	ND
Daminozide	0.304	24.8	24.8	ND	Metaxyl	0.000	10	10	ND	Teflubenzuron	0.017	25	25	ND
Deltamethrin	0.493	24.8	24.8	ND	Methiocarb	0.002	10	10	ND	Tetrachlorvinphos	0.839	10	10	ND
Diazinon	0.000	24.8	24.8	ND	Methomyl	0.000	25	25	ND	Tetramethrin	0.000	24.8	24.8	ND
Dichlorvos	1.141	50	50	ND	Methoprene	1.149	24.8	24.8	ND	Thiabendazole	0.001	24.8	24.8	ND
Dimethoate	0.000	10	10	ND	methyl-Parathion	0.067	24.8	24.8	ND	Thiacloprid	0.000	10	10	ND
Dimethomorph	0.000	24.8	24.8	ND	Mevinphos	0.000	25	25	ND	Thiamethoxam	0.000	10	10	ND
Dinotefuran	0.237	50	50	ND	MGK-264	0.001	24.8	24.8	ND	Thiophanate-methyl	0.000	24.8	24.8	ND
Diuron	0.007	24.8	24.8	ND	Myclobutanil	0.700	10	10	ND	Trifloxystrobin	0.000	10	10	ND

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Potency 11 (LCUV) at Dry Weight Sample Weight: 100.690 mg						Passed					
Pieces For Panel: 1 Dilution Factor: 100.000						SOP13.001 (LCUV)					
Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/ml)	(%)	Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/ml)	(%)
CBD	10.000	0.000	0.015	210	22.1	CBN	10.000	0.000	0.015	ND	ND
CBC	10.000	0.000	0.015	3.20	0.337	Delta-8 THC	10.000	0.000	0.015	ND	ND
Delta-9 THC	10.000	0.000	0.015	2.26	0.238	THCA-A	10.000	0.000	0.015	ND	ND
CBG	10.000	0.000	0.015	2.05	0.216	THCV	10.000	0.000	0.015	ND	ND
CBDV	10.000	0.000	0.015	1.67	0.176	Total CBD	10.000			210	22.1
CBDA	10.000	0.000	0.015	ND	ND	Total THC	10.000			2.26	0.238
CBGA	10.000	0.000	0.015	ND	ND						

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