



Certificate of Analysis

Compliance Test

Client Information:

Laurelcrest Labs
1270 NE ALPHA DRIVE
MCMINNVILLE, OR 97128

Batch # 230817-081023
Batch Date: 2023-08-17
Extracted From: Industrial Hemp

Test Reg State: Florida

Order # LAU230825-010001
Order Date: 2023-08-25
Sample # AAEU781

Sampling Date: 2023-08-25
Lab Batch Date: 2023-08-25
Completion Date: 2023-08-31

Initial Gross Weight: 18.487 g



Pesticides

Specimen Weight: 610.280 mg

Passed

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chlormequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ					

Aixia Sun

Aixia Sun Lab Director/Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

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721 Cortaro Dr.
Sun City Center, FL 33573
www.acslabcannabis.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

CBG Isolate
Sample Matrix:
CBD/HEMP
Derivative Products
(Ingestion)



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Sample # AAEU781

Sampling Date: 2023-08-25
Lab Batch Date: 2023-08-25
Completion Date: 2023-08-31

Initial Gross Weight: 18.487 g



Heavy Metals

Specimen Weight: 253.150 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



Mycotoxins

Specimen Weight: 610.280 mg

Passed

SOP13.007 (LCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					


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

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Product Image



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Pathogenic Microbiology
Passed



Microbiology Petrifilm
Passed



Pathogenic Microbiology - SE (MicroArray)

Specimen Weight: 1033.600 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte
Salmonella	Absence in 1g	STEC E. Coli

Passed

SOP13.019 (Micro Array)

Analyte	Result (cfu/g)
Aerobic Bacteria	Absence in 1g



Microbiology (Petrifilm)

Specimen Weight: 1001.300 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	1000	<10	Yeast/Mold	10	100	<10

Passed

SOP13.003 (Petrifilm)

Aixia Sun

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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 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8+10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + 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, (µg/g) = Microgram per Gram (ppm) = 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 Billion, (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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CBG Isolate
Sample Matrix:
CBD/HEMP
Derivative Products
(Ingestion)



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1270 NE ALPHA DRIVE
MCMINNVILLE, OR 97128

Batch # 230817-081023
Batch Date: 2023-08-17
Extracted From: Industrial Hemp

Test Reg State: Florida

Order # LAU230817-100001
Order Date: 2023-08-17
Sample # AAEU228

Sampling Date: 2023-08-21
Lab Batch Date: 2023-08-21
Completion Date: 2023-08-25

Initial Gross Weight: 19.620 g



Residual Solvents - FL (CBD)

Specimen Weight: 314.200 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	0.16	8	ND	Heptane	0.0013	1.39	5000	ND
1,2-Dichloroethane	0.0003	0.04	5	ND	Hexane	0.068	1.17	290	ND
Acetone	0.015	2.08	5000	ND	Isopropyl alcohol	0.0048	1.39	500	ND
Acetonitrile	0.06	1.17	410	ND	Methanol	0.0005	0.69	3000	ND
Benzene	0.0002	0.02	2	ND	Methylene chloride	0.0029	2.43	600	ND
Butanes	0.4167	2.5	2000	ND	Pentane	0.037	2.08	5000	159.375
Chloroform	0.0001	0.04	60	ND	Propane	0.031	5.83	2100	ND
Ethanol	0.0021	2.78	5000	ND	Toluene	0.0009	2.92	890	ND
Ethyl Acetate	0.0012	1.11	5000	ND	Total Xylenes	0.0001	2.92	2170	ND
Ethyl Ether	0.0049	1.39	5000	ND	Trichloroethylene	0.0014	0.49	80	ND
Ethylene Oxide	0.0038	0.1	5	ND					


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Order # LAU230817-100001
Order Date: 2023-08-17
Sample # AAEU228

Batch # 230817-081023
Batch Date: 2023-08-17
Extracted From: Industrial Hemp

Test Reg State: Florida

Sampling Date: 2023-08-21
Lab Batch Date: 2023-08-21
Completion Date: 2023-08-25

Initial Gross Weight: 19.620 g



Product Image



**Potency
Tested**



**Residual Solvents
Passed**



Potency 25 + CBE

Specimen Weight: 101.440 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	SOP13.002 (LCUV) (%)
CBG	2.48E-4	0.0015	999.2880	99.9288
CBD	5.40E-5	0.0015	0.6120	0.0612
CBC	1.80E-5	0.0015	<LOQ	<LOQ
CBGA	1.07E-4	0.0015	<LOQ	<LOQ
CBDA	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	1.40E-5	0.0015	<LOQ	<LOQ
CBE	4.83E-5	0.002	<LOQ	<LOQ
CBGA	8.00E-5	0.0015	<LOQ	<LOQ
CBL	3.50E-5	0.0015	<LOQ	<LOQ
CBN	1.40E-5	0.0015	<LOQ	<LOQ
CBNA	9.50E-5	0.0015	<LOQ	<LOQ
CBT	2.00E-4	0.0015	<LOQ	<LOQ
Delta-8 THC	2.60E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	2.70E-5	0.003	<LOQ	<LOQ
Delta-8 THCV	4.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	1.30E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	7.70E-5	0.003	<LOQ	<LOQ
Delta8-THCP *	3.75E-4	0.0015	<LOQ	<LOQ
Delta9-THCP *	1.17E-5	0.0012	<LOQ	<LOQ
Exo-THC	2.30E-4	0.0015	<LOQ	<LOQ
THCA-A	3.20E-5	0.0015	<LOQ	<LOQ
THCB *	1.80E-4	0.00195	<LOQ	<LOQ
THCH *	3.50E-4	0.00195	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD			0.612	0.061
Total Active THC			<LOQ	<LOQ



Potency Summary

Total Active THC None Detected	Total Active CBD 0.061%
Total CBG 99.929%	Total CBN None Detected
Other Cannabinoids 0%	Total Cannabinoids 99.990%

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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Certificate of Analysis

Powered by Confident Cannabis
2 of 2

Laurelcrest Labs

1270 NE Alpha Drive
McMinnville, OR 97128

Sample: 0510TSG0208.02036

Sample Received: 10/02/2023; Report Generated: 10/05/2023; Date Reported:

ISOLATE - 231020-10052301

Concentrates & Extracts, Cannabinoid Isolate, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Pesticides

Pass

Analyte	Result	LOQ	Limit	Status
	PPM	PPM	PPM	
Abamectin	<LOQ	0.150	0.150	Pass
Acequinocyl	<LOQ	0.310	4.000	Pass
Beta-Cyfluthrin	<LOQ	0.600	2.000	Pass
Bifenazate	<LOQ	0.080	0.400	Pass
Bifenthrin	<LOQ	0.080	0.080	Pass
Cyfluthrin	<LOQ	0.600	2.000	Pass
Cypermethrin	<LOQ	0.310	0.310	Pass
Daminozide	<LOQ	0.080	0.080	Pass
Dimethomorph	<LOQ	0.080	2.000	Pass
Etoazote	<LOQ	0.080	0.400	Pass
Fenhexamid	<LOQ	0.080	1.000	Pass
Flonicamid	<LOQ	0.080	1.000	Pass
Fludioxonil	<LOQ	0.080	0.500	Pass
Imidacloprid	<LOQ	0.080	0.500	Pass
Myclobutanil	<LOQ	0.080	0.400	Pass
Paclobutrazol	<LOQ	0.080	0.080	Pass
Piperonyl Butoxide	<LOQ	0.080	3.000	Pass
Plant Growth Regulators	<LOQ			Tested
Pyrethrins	<LOQ	0.310	2.000	Pass
Quintozene	<LOQ	0.200	0.800	Pass
Spinetoram	<LOQ	0.080	1.000	Pass
Spinosad	<LOQ	0.080	1.000	Pass
Spirotetramat	<LOQ	0.080	1.000	Pass
Thiamethoxam	<LOQ	0.080	0.400	Pass
Trifloxystrobin	<LOQ	0.080	1.000	Pass

Microbials

Pass

Analyte	Limit	LOQ	Result	Status
	CFU/g	CFU/g	CFU/g	
Total Aerobic	10000	40	<LOQ	Pass
Total Enterobacteriaceae	100	30	<LOQ	Pass
Total Coliforms	100	40	<LOQ	Pass
Pathogenic E. Coli	1		<LOQ	Pass
Salmonella	1		<LOQ	Pass
Total Yeast & Mold	1000	30	<LOQ	Pass

Residual Solvents

Pass

Analyte	Result	LOQ	Limit	Status
	PPM	PPM	PPM	
Butanes	<LOQ	50	500	Pass
Ethanol	<LOQ	50		Tested
Heptanes	<LOQ	50	500	Pass
Isobutane	<LOQ	50	500	Pass
Pentane	102	50		Tested
Propane	<LOQ	50	500	Pass

Mycotoxins

Pass

Analyte	Result	LOQ	Limit	Status
	PPM	PPM	PPM	
Aflatoxins	<LOQ	0.005	0.020	Pass
B1	<LOQ	0.005		Tested
B2	<LOQ	0.005		Tested
G1	<LOQ	0.005		Tested
G2	<LOQ	0.005		Tested
Ochratoxin A	<LOQ	0.015	0.020	Pass
Total Mycotoxins	<LOQ		0.020	Pass

Heavy Metals

Pass

Analyte	Result	LOQ	Limit	Status
	PPM	PPM	PPM	
Arsenic	<LOQ	0.260	2.000	Pass
Cadmium	<LOQ	0.260	0.820	Pass
Lead	<LOQ	0.260	1.200	Pass
Mercury	<LOQ	0.120	0.400	Pass

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Dr. Jeff Angermann
Scientific Director

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1 of 2

Laurelcrest Labs

1270 NE Alpha Drive
McMinnville, OR 97128

Sample: 0510TSG0208.02036

Sample Received: 10/02/2023; Report Generated: 10/05/2023; Date Reported:

ISOLATE - 231020-10052301

Concentrates & Extracts, Cannabinoid Isolate, Other
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



The photo on this report is of a sample collected by the lab and may vary from the final packaging

Safety

Pass

Pesticides

Pass

Microbials

Pass

Mycotoxins

Pass

Solvents

Pass

Heavy Metals

Pass

Foreign Matter

Cannabinoids

<LOQ

Total Potential THC

99.65%

Total Potential CBD

NR %

Moisture

Analyte	LOQ	Result	Result
	%	%	mg/g
THCa	0.05	<LOQ	<LOQ
Δ9-THC	0.05	<LOQ	<LOQ
Δ8-THC	0.05	<LOQ	<LOQ
CBD	0.05	99.65	996.5
CBDa	0.05	<LOQ	<LOQ
CBC	0.05	<LOQ	<LOQ
CBG	0.05	<LOQ	<LOQ
CBN	0.05	<LOQ	<LOQ
THCV	0.05	<LOQ	<LOQ
CBGa	0.05	<LOQ	<LOQ
Total		99.65	996.5

Terpenes

Analyte	LOQ	Result	Result
	%	%	mg/g
α-Bisabolol	0.05	<LOQ	<LOQ
α-Humulene	0.05	<LOQ	<LOQ
α-Pinene	0.05	<LOQ	<LOQ
β-Caryophyllene	0.05	<LOQ	<LOQ
β-Myrcene	0.05	<LOQ	<LOQ
β-Pinene	0.05	<LOQ	<LOQ
Caryophyllene Oxide	0.05	<LOQ	<LOQ
δ-Limonene	0.05	<LOQ	<LOQ
Linalool	0.05	<LOQ	<LOQ
Ocimene	0.05	<LOQ	<LOQ
Terpinolene	0.05	<LOQ	<LOQ
trans-Nerolidol	0.05	<LOQ	<LOQ
Total		0.00	0

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Scientific Director

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Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. This product has been tested by 374 Labs, LLC (MME# 03754325902079441647) using valid testing methodologies and a quality system as required by State of Nevada. Pass/Fail results are based on criteria established by the State of Nevada under Title 56 NRS 678, NCCR 11. Values reported relate only to the product tested. 374 Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of 374 Labs. Uncertainty information is available upon request. 374 Labs complies with ISO/IEC 17025 standards. Photo is of sample collected by the lab and may vary from final packaging. LOQ has been set to the Limit of Detection (LOD) / Method Detection Limit (MDL) for all endpoints.

Foreign Matter

✓ **PASS**

Date Analyzed: 11/17/2023
Instrument: Visual Inspection

Date Completed: 11/17/2023
Lab Tech: Malcolm Manning

Foreign Materials

Result (% w/w)

Cinders	ND
Dirt	ND
Insect Fragments	ND
Mold	ND
Other	ND

--- END OF REPORT ---

Residual Solvents

 **PASS**

Date Analyzed: 11/17/2023
 Instrument: GC-FID

Date Completed: 11/20/2023
 Lab Tech: Malcolm Manning

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
Propane	ND	6.793	13.587	5000	Pass
Butane	ND	8.861	13.587	5000	Pass
Methanol	ND	7.270	13.587	3000	Pass
Ethylene Oxide	ND	0.100	2.264	50	Pass
Pentane	ND	3.139	13.587	5000	Pass
Ethanol	ND	1.317	13.587	5000	Pass
Ethyl Ether	ND	2.966	13.587	5000	Pass
Acetone	ND	2.731	13.587	5000	Pass
Petroleum Ether	ND	0.328	1.094	400	Pass
Isopropyl Alcohol	ND	1.184	13.587	5000	Pass
Methylene Chloride	ND	0.586	13.587	600	Pass
Hexane	ND	0.328	13.587	290	Pass
Ethyl Acetate	ND	1.820	13.587	5000	Pass
Heptane	ND	2.264	13.587	5000	Pass
Trichloroethene	ND	0.062	13.587	80	Pass
Toluene	ND	0.433	13.587	890	Pass
Total Xylenes	ND	1.376	13.587	2070	Pass

Microbial Impurities (Quantitative)

 **PASS**

Date Analyzed: 11/17/2023
 Instrument: 3M Petrifilm

Date Completed: 11/20/2023
 Lab Tech: Malcolm Manning

Microbials (Quantitative)	Result (CFU/g)	Limit (CFU/g)	Status
Total Coliform Count	ND	100	Pass
Total BTGN Count	ND	100	Pass
Total Aerobic Content Count	703	10000	Pass
Total Yeast and Mold Count	ND	1000	Pass

TNTC = Too numerous to count.

Microbial Impurities (Qualitative)

 **PASS**

Date Analyzed: 11/17/2023
 Instrument: 3M Petrifilm

Date Completed: 11/20/2023
 Lab Tech: Malcolm Manning

Microbials (Qualitative)	Result	Limit	Status
STEC	Not Detected	Detected	Pass
Salmonella Spp.	Not Detected	Detected	Pass

TNTC = Too numerous to count.

Pesticides

 **PASS**

Date Analyzed: 11/20/2023
 Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 11/21/2023
 Lab Tech: Lillian Catala

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Acephate	ND	10.000	50.000	50	Pass
Acetamiprid	ND	1.000	5.000	10	Pass
Aldicarb	ND	5.000	10.000	20	Pass
Bifenazate	NR	0.500	1.000	20	Pass
Bifenthrin	ND	5.000	5.000	50	Pass
Carbaryl	ND	5.000	5.000	20	Pass
Carbofuran	ND	0.500	1.000	100	Pass
Chlorantraniliprole	ND	10.000	20.000	20	Pass
Chloromequat Chloride	ND	20.000	40.000	40	Pass
Chlorpyrifos	ND	5.000	5.000	10	Pass
Chlofentezine	ND	5.000	10.000	10	Pass
Coumaphos	ND	5.000	5.000	150	Pass
Diazinon	ND	0.500	1.000	50	Pass
Dimethomorph I	ND	5.000	5.000	50	Pass
Dimethomorph II	ND	5.000	5.000	50	Pass
Ethoprophos	ND	1.000	5.000	20	Pass
Etofenprox	ND	1.000	1.000	10	Pass
Etoxazole	ND	0.500	1.000	10	Pass
Fenhexamid	ND	5.000	10.000	20	Pass
Fenpyroximate	ND	0.500	1.000	15	Pass
Fipronil	ND	5.000	5.000	10	Pass

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Flonicamid	ND	1.000	5.000	30	Pass
Fludioxonil	ND	5.000	5.000	10	Pass
Hexythiazox	ND	5.000	5.000	20	Pass
Imidacloprid	ND	1.000	5.000	20	Pass
Kresoxim Methyl	ND	5.000	5.000	10	Pass
Metalaxyl	ND	0.500	1.000	20	Pass
Oxamyl I	ND	1.000	5.000	50	Pass
Phosmet	ND	5.000	5.000	40	Pass
Prallethrin	NR	5.000	10.000	1000	Pass
Pyridaben	ND	0.500	1.000	10	Pass
Spinetoram J	ND	0.500	1.000	40	Pass
Spinetoram L	ND	0.500	1.000	40	Pass
Spinosyn A	ND	5.000	5.000	10	Pass
Spinosyn D	ND	5.000	5.000	10	Pass
Spiromesifen	NR	0.500	1.000	10	Pass
Spirotetramat	NR	5.000	5.000	10	Pass
Spiroxamine I	NR	0.500	1.000	50	Pass
Spiroxamine II	NR	0.500	1.000	50	Pass
Tebuconazole	ND	5.000	5.000	50	Pass
Thiacloprid	ND	0.500	1.000	20	Pass
Thiamethoxam	ND	1.000	5.000	20	Pass
Trifloxystrobin	ND	0.500	1.000	10	Pass

Mycotoxins

 **PASS**

Date Analyzed: 11/20/2023
 Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 11/21/2023
 Lab Tech: Mattie Jensen

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	4.864	9.727	20	Pass
Aflatoxin B2	ND	4.864	9.727	20	Pass
Aflatoxin G1	ND	4.864	9.727	20	Pass
Aflatoxin G2	ND	4.864	9.727	20	Pass
Ochratoxin A	ND	9.727	9.727	20	Pass

Heavy Metals

 **PASS**

Date Analyzed: 11/17/2023
 Instrument: Agilent 7800 ICP-MS

Date Completed: 11/20/2023
 Lab Tech: Malcolm Manning

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Lead	ND	1.670	83.500	1000	Pass
Arsenic	ND	1.670	83.500	1500	Pass
Cadmium	ND	1.670	83.500	500	Pass
Mercury	ND	1.670	8.350	3000	Pass
Chromium	<LOQ	1.670	83.500	2000	Pass

Potency

 **TESTED**
Date Analyzed: 11/21/2023
Instrument: Agilent 1260 HPLC

Date Completed: 11/21/2023
Lab Tech: Landen Nickel

Moisture Content (%): None
Unit Size (mL): 60

Cannabinoid	Result (%)	Result (mg/g)	Result (mg/unit)	Result (mg/package)	LOD (%)	LOQ (%)	Relative Abundance
CBDVA	ND	ND	ND	ND	0.183	0.367	
CBDV	ND	ND	ND	ND	0.183	0.367	
CBDA	ND	ND	ND	ND	0.183	0.367	
CBD	5.142	51.421	3085.240	3085.240	0.183	0.367	
THCVA	ND	ND	ND	ND	0.183	0.367	
THCV	ND	ND	ND	ND	0.183	0.367	
THCA	ND	ND	ND	ND	0.183	0.367	
Δ9 THC	ND	ND	ND	ND	0.183	0.367	
Δ8 THC	ND	ND	ND	ND	0.183	0.367	
CBN	ND	ND	ND	ND	0.183	0.367	
CBCA	ND	ND	ND	ND	0.183	0.367	
CBC	ND	ND	ND	ND	0.183	0.367	
CBGA	ND	ND	ND	ND	0.183	0.367	
CBG	4.971	49.714	2982.840	2982.840	0.183	0.367	
Total THC	ND	ND	ND	ND			
Total CBD	5.142	51.421	3085.240	3085.240			
Total Cannabinoids	10.114	101.135	6068.100	6068.100			

Total THC % = THC% + (THCA% x 0.877)

Total CBD % = CBD% + (CBDA% x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%)

Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.

Terpenes

 **TESTED**
Date Analyzed: 11/17/2023
Instrument: Agilent 8890/5977B GCMS

Date Completed: 11/20/2023
Lab Tech: Malcolm Manning

Moisture Content (%): None

Terpene	Result (%)	LOD (%)	LOQ (%)	Terpene	Result (%)	LOD (%)	LOQ (%)
α-Bisabolol	ND	0.005	0.024	Δ-3-Carene	ND	0.005	0.024
α-Humulene	ND	0.005	0.024	D-Limonene	ND	0.005	0.034
α-Pinene	ND	0.005	0.024	Eucalyptol	ND	0.005	0.024
β-Terpinene	ND	0.005	0.024	Geraniol	ND	0.005	0.034
β-Caryophyllene	ND	0.005	0.024	Guaiol	ND	0.005	0.024
β-Myrcene	ND	0.005	0.024	Isopulegol	ND	0.005	0.024
β-Pinene	ND	0.005	0.024	Linalool	ND	0.005	0.024
Camphene	ND	0.005	0.024	p-Cymene	ND	0.005	0.024
Caryophyllene Oxide	ND	0.005	0.024	Terpinolene	ND	0.005	0.024
cis-β-Ocimene	ND	0.001	0.007	trans-Nerolidol	ND	0.003	0.015
cis-Nerolidol	ND	0.002	0.010	γ-Terpinene	ND	0.005	0.024
				Total Terpene Content	ND		



Product Development (R&D)

Report Published: 11/21/2023

Client Name: Brave Horse

Address: 246 W 650 North La Porte, IN
46350

Phone: (312) 296-7900

Certificate Number: 10972

License Number: N/A

Sample Description: CBD/CBG Oil

Batch ID: None

Lot ID: None

Sample ID: 46-2311-72

Sampling Method: SOP-SMPL-002

Sample Type: Tincture

Sampling Date: 11/16/2023



Results Summary

Potency

✓ **TESTED**

Date Analyzed: 11/21/2023

Method Used:
SOP-CANN-001

Terpenes

✓ **TESTED**

Date Analyzed: 11/17/2023

Method Used:
SOP_TERP_001

Pesticides

✓ **PASS**

Date Analyzed: 11/20/2023

Method Used:
SOP_PEST_001

Mycotoxins

✓ **PASS**

Date Analyzed: 11/20/2023

Method Used:
SOP_MYCO_001

Heavy Metals

✓ **PASS**

Date Analyzed: 11/17/2023

Method Used:
SOP_HM_001

Residual Solvents

✓ **PASS**

Date Analyzed: 11/17/2023

Method Used:
SOP_RS_001

Microbial Impurities

✓ **PASS**

Date Analyzed: 11/17/2023

Method Used:
SOP_MICRO_001

Foreign Matter

✓ **PASS**

Date Analyzed: 11/17/2023

Method Used:
SOP_FM_001