



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

R&D



Batch # 9HP-0522
Batch Date: 2022-06-27
Extracted From: Gummy

Test Reg State: Utah

Order #ALT220627-030001
Order Date: 2022-06-27
Sample # AADA478

Sampling Date: 2022-07-01
Lab Batch Date: 2022-07-01
Completion Date: 2022-07-06

Initial Gross Weight: 13.794 g
Net Weight: 11.494 g

Number of Units: 1
Net Weight per Unit: 11494.000 mg



Potency Tested **Terpenes** Tested **Heavy Metals** Passed **Mycotoxins** Passed **Pesticides** Passed

Residual Solvents Passed **Pathogenic Microbiology** Passed **Listeria Monocytogenes** Passed

Product Image

Potency 10
Specimen Weight: 1547.580 mg

Tested
SOP13.001 (LCUV)

Potency Summary

Total THC 0.267%	30.690mg	Total CBD 0.003%	0.340mg
Total CBG -	None Detected	Total CBN 0.002%	0.230mg
Other Cannabinoids None Detected		Total Cannabinoids 0.272%	31.260mg

Pieces For Panel: 1

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	100.000	1.30E-5	0.002	2.670	0.267
CBD	10.000	5.40E-5	0.002	0.030	0.003
CBN	10.000	1.40E-5	0.002	0.020	0.002
CBC	10.000	1.80E-5	0.002	<LOQ	<LOQ
THCA	10.000	3.20E-5	0.002	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.002	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.002	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.002	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.002	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.002	<LOQ	<LOQ

Terpenes Summary

Analyte	Result (mg/g)	(%)
Total Terpenes:	0.000%	

Detailed Terpenes Analysis is on the following page

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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ALTERNATIVE HEALTH DISTRIBUTION
1000 WAKPARK DRIVE
MOORSEVILLE, NC 28115

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Test Reg State: Utah

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Initial Gross Weight: 13.794 g
Net Weight: 11.494 g

Number of Units: 1
Net Weight per Unit: 11494.000 mg

Terpenes **Tested**
SOP13.023 (GC/GCMS)
Specimen Weight: 1547.580 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(+)-Cedrol	0.002		<LOQ	(R)-(+)-Limonene	0.002		<LOQ
Nerol	0.002		<LOQ	beta-Myrcene	0.002		<LOQ
Geranyl acetate	0.002		<LOQ	3-Carene	0.002		<LOQ
Guaial	0.002		<LOQ	alpha-Bisabolol	0.002		<LOQ
Hexahydrothymol	0.002		<LOQ	alpha-Cedrene	0.002		<LOQ
Isoborneol	0.002		<LOQ	alpha-Humulene	0.002		<LOQ
Isopulegol	0.002		<LOQ	alpha-Phellandrene	0.002		<LOQ
Linalool	0.002		<LOQ	alpha-Pinene	0.002		<LOQ
Ocimene	0.000		<LOQ	alpha-Terpinene	0.002		<LOQ
Gamma-Terpinene	0.002		<LOQ	beta-Pinene	0.002		<LOQ
Pulegone	0.002		<LOQ	Fenchone	0.002		<LOQ
Sabinene	0.002		<LOQ	Borneol	0.004		<LOQ
Sabinene Hydrate	0.002		<LOQ	Camphene	0.006		<LOQ
Terpinolene	0.002		<LOQ	Camphors	0.002		<LOQ
Total Terpeneol	0.001		<LOQ	Caryophyllene oxide	0.002		<LOQ
trans-Caryophyllene	0.002		<LOQ	cis-Nerolidol	0.002		<LOQ
trans-Nerolidol	0.002		<LOQ	Eucalyptol	0.002		<LOQ
Geraniol	0.002		<LOQ	Farnesene	0.002		<LOQ
Fenchyl Alcohol	0.002		<LOQ	Valencene			<LOQ

Total Terpenes: 0.000%

Xueli Gao
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Lab Toxicologist
Ph.D., DABT

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



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**ALTERNATIVE
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1000 PARK DRIVE
MOORSEVILLE, NC 28115

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Sample # AADA478

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Completion Date: 2022-07-06

Initial Gross Weight: 13.794 g
Net Weight: 11.494 g

Number of Units: 1
Net Weight per Unit: 11494.000 mg

Pesticides (UT Levels)

Passed

Specimen Weight: 261.900 mg

SOP13.007 (LCMS/GCMS)

Dilution Factor: 5.730

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	500	<LOQ	Fludioxonil	1.7400E+0	30	400	<LOQ
Acephate	2.3000E-2	30	400	<LOQ	Hexythiazox	4.9000E-2	30	1000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	200	<LOQ
Acetamiprid	5.2000E-2	30	200	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	400	<LOQ	Kresoxim Methyl	4.2000E-2	30	400	<LOQ
Azoxystrobin	8.1000E-2	10	200	<LOQ	Metalaxyl	8.1000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	200	<LOQ	Methiocarb	2.2000E-2	10	200	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methomyl	2.2000E-2	30	400	<LOQ
Boscalid	5.5000E-2	30	400	<LOQ	MGK-264		30	200	<LOQ
Carbaryl	2.2000E-2	10	200	<LOQ	Myclobutanil		48	200	<LOQ
Carbofuran	3.4000E-2	30	200	<LOQ	Naled	1.0290E+0	30	500	<LOQ
Chlorantraniliprole	3.3000E-2	30	200	<LOQ	Oxamyl	9.5000E-2	30	1000	<LOQ
Chlorfenapyr	8.0000E-2	48	1000	<LOQ	Paclobutrazol	2.5000E-2	30	400	<LOQ
Chlorpyrifos	3.5000E-2	30	200	<LOQ	Phosmet	6.5000E-2	30	200	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Piperonylbutoxide	8.2000E-2	30	2000	<LOQ
Cyuthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	2.9000E-2	30	200	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.9800E-1	30	400	<LOQ
Daminozide	8.8500E-1	30	1000	<LOQ	Propoxur	7.0000E-2	30	200	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins		30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben		30	200	<LOQ
Dimethoate	2.1000E-2	30	200	<LOQ	Spinosad	2.3593E+1	30	200	<LOQ
Ethoprophos	3.6000E-1	30	200	<LOQ	Spiromesifen	3.2000E-2	30	200	<LOQ
Etofenprox	1.1600E-1	30	400	<LOQ	Spirotetramat	8.8000E-2	30	200	<LOQ
Etoazole	1.1600E-1	30	200	<LOQ	Spiroxamine	2.6100E-1	30	400	<LOQ
Fenoxycarb	1.0700E-1	30	200	<LOQ	Tebuconazole	8.9000E-2	30	400	<LOQ
Fenpyroximate	1.3800E-1	30	400	<LOQ	Thiacloprid	1.3100E-1	30	200	<LOQ
Fipronil	1.0700E-1	30	400	<LOQ	Thiamethoxam	6.7000E-2	30	200	<LOQ
Fonicamid	5.1700E-1	30	1000	<LOQ	Trioxystrobin	6.4000E-2	30	200	<LOQ
						5.0000E-2	30		
						3.7000E-2	30		

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Initial Gross Weight: 13.794 g
Net Weight: 11.494 g

Number of Units: 1
Net Weight per Unit: 11494.000 mg

Residual Solvents - FL (CBD)

Passed
SOP13.039 (GCMS)

Specimen Weight: 11.200 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result
1,1-Dichloroethane	0.0094		8	<LOQ	Heptane	0.0013		5000	<LOQ
1,2-Dichloroethane	0.0003	0.16	5	<LOQ	Hexane	0.068	1.39	290	<LOQ
Acetone	0.015	0.04	5000	<LOQ	Isopropyl alcohol	0.0048	1.17	500	<LOQ
Acetonitrile	0.06	2.08	410	<LOQ	Methanol	0.0005	1.39	3000	<LOQ
Benzene	0.0002	1.17	2	<LOQ	Methylene chloride	0.0029	0.69	600	<LOQ
Butanes	0.4167	0.02	2000	<LOQ	Pentane	0.037	2.43	5000	<LOQ
Chloroform	0.0001	2.5	60	<LOQ	Propane	0.031	2.08	2100	<LOQ
Ethanol	0.0021	0.04	5000	<LOQ	Toluene	0.0009	5.83	890	<LOQ
Ethyl Acetate	0.0012	2.78	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.11	5000	<LOQ	Trichloroethylene	0.0014	2.92	80	<LOQ
Ethylene Oxide	0.0038	1.39	5	<LOQ			0.49		

Mycotoxin - Utah

Passed
SOP13.007 (LCMS)

Specimen Weight: 261.900 mg

Dilution Factor: 5.727

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result
A atoxin B13.0400E-1	6	20	20	<LOQ	A atoxin G2	2.7100E-1	6	20	<LOQ
A atoxin B27.7000E-2	6	20	20	<LOQ	Ochratoxin A	7.5400E-1	12	20	<LOQ
A atoxin G13.0400E-1	6	20	20	<LOQ					

Heavy Metals

Passed
SOP13.048 (ICP-MS)

Specimen Weight: 249.010 mg

Dilution Factor: 200

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

Pathogenic Microbiology SAE (MicroArray)

Passed
SOP13.019 (Micro Array)

Specimen Weight: 1024.100 mg

Dilution Factor: 1.000

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

Listeria Monocytogenes

Passed
SOP13.010 (qPCR)

Specimen Weight: 998.260 mg

Dilution Factor: 1.000

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

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