

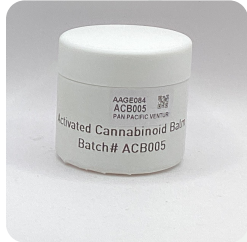


Certificate of Analysis
Compliance Test

Client Information:

Pan Pacific Ventures / Maui Batch # ACB005 Test Reg State: Florida
Grown Remedies / Maui Batch Date: 2024-11-21
Molecular Extracted From: 11/21/2024
PO BOX 672
KULA, HI 96790

Order # PAN241121-010001 Sampling Date: 2024-11-25 Initial Gross Weight: 151.455 g
Order Date: 2024-11-21 Lab Batch Date: 2024-11-25
Sample # AAGE084 Completion Date: 2024-12-01



Product Image

Potency Tested **Terpenes Tested** **Heavy Metals Passed** **Mycotoxins Passed** **Pesticides Passed**
Residual Solvents Passed **Pathogenic Microbiology Passed** **Microbiology (qPCR) Passed**

Potency 10
Specimen Weight: 506.260 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result		SOP13.001 (HPLC)
				(mg/g)	(%)	
CBD	50.000	5.40E-5	0.015	33530	3.353	
CBG	50.000	2.48E-4	0.015	3430	0.343	
CBDV	50.000	6.50E-5	0.015	200	0.02	
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ	
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ	
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ	
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ	
Delta-9 THC	50.000	1.30E-5	0.015	<LOQ	<LOQ	
THCA-A	50.000	3.20E-5	0.015	<LOQ	<LOQ	
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ	
Total Active CBD	50.000			33.530	3.353	
Total Active THC	50.000			<LOQ	<LOQ	

Tested

Potency Summary

Total Active THC None Detected
Total Active CBD 3.353%
Total CBG 0.343%
Total CBN None Detected
Total Cannabinoids 3.716%

Terpenes Summary

Analyte	Result (mg/g)	(%)
Eucalyptol	15.209	1.521%
(R)-(+)-Limonene	9.503	0.95%
trans-Caryophyllene	8.784	0.878%
alpha-Pinene	6.372	0.637%
3-Carene	4.586	0.459%
beta-Pinene	3.937	0.394%
alpha-Phellandrene	1.523	0.152%
beta-Myrcene	1.424	0.142%
alpha-Terpinene	1.408	0.141%
Sabinene	0.999	0.1%
Valencene	0.844	0.084%
Terpinolene	0.831	0.083%
alpha-Humulene	0.739	0.074%
Ocimene	0.45	0.045%
Caryophyllene oxide	0.315	0.031%
Camphene	0.249	0.025%
Linalool	0.191	0.019%

Total Terpenes: 5.735%

Detailed Terpenes Analysis is on the following page

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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 THC = 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 FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling. 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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Client Information:

Pan Pacific Ventures / Maui
Grown Remedies / Maui
Molecular
PO BOX 672
KULA, HI 96790

Batch # ACB005
Batch Date: 2024-11-21
Extracted From: 11/21/2024

Test Reg State: Florida

Order # PAN241121-010001
Order Date: 2024-11-21
Sample # AAGE084

Sampling Date: 2024-11-25
Lab Batch Date: 2024-11-25
Completion Date: 2024-12-01

Initial Gross Weight: 151.455 g



Terpenes

Specimen Weight: 506.260 mg

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

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
Eucalyptol	0.002	15.209	1.521	alpha-Cedrene	0.002	<LOQ	<LOQ
(R)-(+)-Limonene	0.002	9.503	0.950	Borneol	0.004	<LOQ	<LOQ
trans-Caryophyllene	0.002	8.784	0.878	Camphors	0.006	<LOQ	<LOQ
alpha-Pinene	0.002	6.372	0.637	cis-Nerolidol	0.002	<LOQ	<LOQ
3-Carene	0.002	4.586	0.459	Farnesene	0.002	<LOQ	<LOQ
beta-Pinene	0.002	3.937	0.394	Fenchone	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	1.523	0.152	Fenchyl Alcohol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	1.424	0.142	Gamma-Terpinene	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	1.408	0.141	Geraniol	0.002	<LOQ	<LOQ
Sabinene	0.002	0.999	0.100	Geranyl acetate	0.002	<LOQ	<LOQ
Valencene	0.002	0.844	0.084	Guaiol	0.002	<LOQ	<LOQ
Terpinolene	0.002	0.831	0.083	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	0.739	0.074	Isoborneol	0.002	<LOQ	<LOQ
Ocimene	0.00033	0.450	0.045	Isopulegol	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	0.315	0.031	Nerol	0.002	<LOQ	<LOQ
Camphene	0.002	0.249	0.025	Pulegone	0.002	<LOQ	<LOQ
Linalool	0.002	0.191	0.019	Sabinene Hydrate	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
alpha-Bisabolol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ



PCR Total Yeast and Mold

Specimen Weight: 476.100 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 8.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ
Prep. By: 1161	Date: 2024-11-26 12:32:01	Analyzed By: 1161	Date: 2024-11-26 12:32:01
Reviewed By: 1161	Date: 2024-11-27 09:08:51	Lab Batch #: AAGE084-218	Date: 2024-11-27 09:08:51



Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1030.200 mg

Passed
SOP13.019 (Micro Array)

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 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g

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Definitions are found on page 1

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Extracted From: 11/21/2024

Test Reg State: Florida

Order # PAN241121-010001
Order Date: 2024-11-21
Sample # AAGE084

Sampling Date: 2024-11-25
Lab Batch Date: 2024-11-25
Completion Date: 2024-12-01

Initial Gross Weight: 151.455 g



Heavy Metals

Specimen Weight: 247.500 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 202

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: 605.300 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.480

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					



Residual Solvents - FL (CBD)

Specimen Weight: 17.800 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

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PO BOX 672
KULA, HI 96790

Order # PAN241121-010001 Sampling Date: 2024-11-25 Initial Gross Weight: 151.455 g
Order Date: 2024-11-21 Lab Batch Date: 2024-11-25
Sample # AAGE084 Completion Date: 2024-12-01



Pesticides

Specimen Weight: 605.300 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.480

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	Pacllobutrazol	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					

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