

Certificate of Analysis

R&D

Batch # Blueberry Pie
Batch Date: 2021-11-18
Extracted From: Dry Hemp

Test Reg State: Oregon

Production Date: 2021-11-18

Order Date: 2021-11-18
Sample # AAC5E13

Sampling Date: 2021-11-23
Lab Batch Date: 2021-11-23
Completion Date: 2021-11-29

Initial Gross Weight: 14,448 g



Product Image

Potency Tested
 Heavy Metals Passed
 Mycotoxins Passed
 Pesticides Passed
 Moisture Tested
 Listeria Monocytogenes Passed
 Pathogenic Passed



Potency - 11

Specimen Weight: 200.330 mg

Tested (HPLC/LCMS)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	1500.000	0.00001	0.001	186.690	18.669
CBD	1500.000	0.000054	0.001	29.170	2.917
THCA-A	1500.000	0.000032	0.001	5.110	0.511
CBGA	1500.000	0.00008	0.001	3.310	0.331
Delta-9 THC	1500.000	0.000013	0.001	3.280	0.328
CBC	1500.000	0.000018	0.001	2.420	0.242
CBDV	1500.000	0.000065	0.001	0.940	0.094
CBG	1500.000	0.000248	0.001	0.770	0.077
Delta-8 THC	1500.000	0.000026	0.001		<LOQ
THCV	1500.000	0.000007	0.001		<LOQ
CBN	1500.000	0.000014	0.001		<LOQ

Potency Summary

Total THC 0.776%	Total CBD 19.290%
Total CBG 0.367%	Total CBN None Detected
Other Cannabinoids 0.336%	Total Cannabinoids 20.769%

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Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total 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), *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids in the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC, *Total THC-O-Acetate = Delta 8 THC-O-Acetate + THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration, (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 (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%

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 FL License # CMTL-0003
 CLIA No. 10D1094068

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Test Reg State: Oregon

Production Date: 2021-11-18

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 Sample # AAC513

Sampling Date: 2021-11-23
 Lab Batch Date: 2021-11-23
 Completion Date: 2021-11-29

Initial Gross Weight: 14,448 g



Heavy Metals

Specimen Weight: 252,890 mg

Passed
(ICP-MS)

Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ



Mycotoxins

Specimen Weight: 174,200 mg

Passed
(LCMS)

Dilution Factor: 8,611

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

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Test Reg State: Oregon

Production Date: 2021-11-18

Order Date: 2021-11-18
Sample # AAC513

Sampling Date: 2021-11-23
Lab Batch Date: 2021-11-23
Completion Date: 2021-11-29

Initial Gross Weight: 14,448 g



Pesticides

Specimen Weight: 174,200 mg

Passed
(LCMS/GCMS)

Dilution Factor: 8.611

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenthrin	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Carbaryl	10	500	<LOQ	Chlorfenapyr	48	100	<LOQ
Chlorpyrifos	30	100	<LOQ	Chlorfentezine	30	500	<LOQ
Coumaphos	30	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	30	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Flonicamid	30	2000	<LOQ
Fludioxonil	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metolachl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	Mevinphos	30	100	<LOQ
Myclobutanil	30	3000	<LOQ	Naled	30	500	<LOQ
Oxamyl	30	500	<LOQ	Padmabutraol	30	100	<LOQ
Parathion-methyl	48	100	<LOQ	Pentachloronitrobenzene	30	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	30	3000	<LOQ	Spiromesifen	30	3000	<LOQ
Spirotetramat	30	3000	<LOQ	Spiroxamine	30	100	<LOQ
Tebuconazole	30	1000	<LOQ	Thiacloprid	30	100	<LOQ
Thiamethoxam	30	1000	<LOQ	Trioxystrobin	30	3000	<LOQ

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Moisture

Specimen Weight: N/A Dilution Factor: 1,000

Analyte	Action Level (%)	Result (%)
Moisture	15	12.450

Tested
(Moisture Meter)



Listeria Monocytogenes

Specimen Weight: 992,220 mg

Dilution Factor: 1,000

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

Passed
(qPCR)



Pathogenic SAE (qPCR)

Specimen Weight: 232,530 mg

Dilution Factor: 1,000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

Passed
(qPCR)

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