Analytics Labs CT
1 Hartford Square, Suite # 230
NEW BRITAIN, CT 06052
(860) 925-5227
https://myanalyticslabs.com/
Lic# ACTL.0000005

Certificate of Analysis

BAM080124-Smalls

BioTrack Lot ID: 9670 1219 1239 3707

Sample ID: 2412ANSCT0117.0714
Strain: Banana Muffin
Plant, Flower - Cured, , , Indica,

Completed: 12/16/2024
Expiration: 12/17/2025

Client
CTPharma
Lic. # MMPR.0000002
280 Dividend Rd
Rocky Hill, CT 06067

Sample Size: 21.1 g
COC #: 2412ANSCT0117; Number of Servings: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	12/12/2024	Complete
Moisture	12/12/2024	12% - Complete
Water Activity	12/12/2024	0.47 aw - Complete
Terpenes	12/12/2024	Complete
Microbials	12/11/2024	Pass
Mycotoxins	12/12/2024	Pass
Pesticides	12/12/2024	Pass
Heavy Metals	12/16/2024	Pass

Moisture Entered By: 008
Instrument ID: MA-1
Moisture analyzed per SOP-004

Water Activity Entered By: 008
Instrument ID: WA-1
Water Activity analyzed per SOP-020. NT= Not Tested, NR = Not Reported.

Cannabinoids

Complete

21.582%	ND	22.211%
Total Active THC	Total Active CBD	Total Active Cannabinoids

Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00003	0.00010	24.300	243.000	
Δ9-THC	0.00003	0.00010	0.270	2.700	
Δ8-THC	0.00005	0.00010	ND	ND	
THCVa	0.00001	0.00010	ND	ND	
THCV	0.00003	0.00010	ND	ND	
CBDa	0.00002	0.00010	ND	ND	
CBD	0.00002	0.00010	ND	ND	
CBDVa	0.00001	0.00010	ND	ND	
CBDV	0.00001	0.00010	ND	ND	
CBNa	0.00007	0.00010	ND	ND	
CBN	0.00002	0.00010	ND	ND	
CBGa	0.00003	0.00010	0.720	7.200	
CBG	0.00004	0.00010	ND	ND	
CBCa	0.00006	0.00010	ND	ND	
CBC	0.00004	0.00010	ND	ND	
CBL	0.00007	0.00010	ND	ND	
CBT	0.00003	0.00010	ND	ND	
Total Available THC			**24.571**	**245.710**	
Total Active THC			**21.582**	**215.817**	
Total Available CBD			**ND**	**ND**	
Total Active CBD			**ND**	**ND**	
Total Available Cannabinoids			**25.288**	**252.880**	
Total Active Cannabinoids			**22.211**	**222.112**	

Entered by: 5; Instrument ID: 2; Date Tested: 12/12/2024;
Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = D9-THC + THCA. Total Active THC = D9-THC + (THCA0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD +(CBDA0.877). Total Active Cannabinoids = THCA0.877+ d9 THC+ d8 THC+ THCVA0.867+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVA 0.867+ CBNA0.876+ CBN + CBGA0.0.878+ CBG + CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.

Ryan Picard
Lab Director
12/17/2024

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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
β-Myrcene		0.00004	0.0005	0.77	7.740	
β-Caryophyllene		0.00003	0.0005	0.32	3.156	
Nerolidol			0.0005	0.18	1.797	
Limonene		0.00004	0.0005	0.13	1.329	
α-Humulene		0.00003	0.0005	0.13	1.267	
Linalool		0.00002	0.0005	0.04	0.433	
2-Piperidone		0.00003	0.0005	ND	ND	
3-Carene		0.00003	0.0005	ND	ND	
α-Bisabolol		0.00007	0.0005	ND	ND	
α-Cedrene		0.00002	0.0004	ND	ND	
α-Phellandrene		0.00003	0.0005	ND	ND	
α-Pinene		0.00004	0.0005	ND	ND	
α-Terpinene		0.00002	0.0005	ND	ND	
α-Terpineol		0.00004	0.0005	ND	ND	
alpha-Thujone		0.00002	0.0005	ND	ND	
β-Cedrene		0.00012	0.0001	ND	ND	
β-Farnesene		0.00010	0.0005	ND	ND	
β-Pinene		0.00002	0.0005	ND	ND	
Borneol		0.00002	0.0005	ND	ND	
Camphene		0.00007	0.0005	ND	ND	
Camphor		0.00001	0.0005	ND	ND	
Carvacrol		0.00013	0.0005	ND	ND	
Carvone		0.00003	0.0005	ND	ND	
Caryophyllene Oxide		0.00010	0.0005	ND	ND	
Cedrol		0.00003	0.0005	ND	ND	
cis-Ocimene		0.00004	0.0001	ND	ND	
Citral		0.00002	0.0005	ND	ND	
Eucalyptol		0.00003	0.0005	ND	ND	
Total				**1.57**	**15.721**	

Primary Aromas

Hops | Cinnamon | Apple | Orange | Lavender

Entered by: 007
Instrument ID: GCMS-1
Date Tested: 12/12/2024
LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.

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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
Fenchol		0.00002	0.0005	ND	ND	
Fenchone		0.00002	0.0005	ND	ND	
y-Terpinene		0.00002	0.0005	ND	ND	
Geraniol		0.00003	0.0005	ND	ND	
Geranyl Acetate		0.00002	0.0005	ND	ND	
Isoborneol		0.00002	0.0005	ND	ND	
Isobornyl Acetate		0.00002	0.0005	ND	ND	
m-Cymene		0.00002	0.0005	ND	ND	
Menthone		0.00003	0.0005	ND	ND	
Nerol		0.00004	0.0005	ND	ND	
Nootkatone		0.00011	0.0005	ND	ND	
o-Cymene		0.00003	0.0005	ND	ND	
(-)-Isopulegol		0.00002	0.0005	ND	ND	
(-)-Guaiol		0.00006	0.0005	ND	ND	
Phytane		0.00002	0.0005	ND	ND	
Piperitone		0.00003	0.0005	ND	ND	
Pulegone		0.00002	0.0005	ND	ND	
p-Cymene		0.00003	0.0005	ND	ND	
Sabinene		0.00003	0.0005	ND	ND	
Sabinene Hydrate		0.00001	0.0005	ND	ND	
Safranal		0.00001	0.0005	ND	ND	
Terpinolene		0.00002	0.0005	ND	ND	
Thymol		0.00005	0.0005	ND	ND	
trans-Ocimene		0.00005	0.0004	ND	ND	
Valencene		0.00002	0.0005	ND	ND	
Total				**1.57**	**15.721**	

Primary Aromas

Hops | Cinnamon | Apple | Orange | Lavender

Entered by: 007
Instrument ID: GCMS-1
Date Tested: 12/12/2024
LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.

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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Result	Status
	PPB	PPB	PPB	PPB	
Abamectin	0.0270	5.0	100.00	ND	Pass
Acephate	0.0130	5.0	100.00	ND	Pass
Acequinocyl	0.0100	5.0	100.00	ND	Pass
Acetamiprid	0.0110	5.0	100.00	ND	Pass
Aldicarb	0.0130	5.0	100.00	ND	Pass
Azoxystrobin	0.0210	5.0	100.00	ND	Pass
Bifenazate	0.0270	5.0	100.00	ND	Pass
Bifenthrin	0.0280	5.0	3000.00	ND	Pass
Boscalid	0.0110	5.0	100.00	ND	Pass
Captan	0.0900	5.0	700.00	ND	Pass
Carbaryl	0.0110	5.0	500.00	ND	Pass
Carbofuran	0.0130	5.0	100.00	ND	Pass
Chlorantraniliprole	0.0120	5.0	10000.00	ND	Pass
Chlordane	0.0320	5.0	100.00	ND	Pass
Chlorfenapyr	0.0280	5.0	100.00	ND	Pass
Chlorpyrifos	0.0270	5.0	100.00	ND	Pass
Clofentezine	0.0120	5.0	100.00	ND	Pass
Coumaphos	0.0090	5.0	100.00	ND	Pass
Cyfluthrin	0.0170	5.0	2000.00	ND	Pass
Cypermethrin	0.0230	5.0	1000.00	ND	Pass
Daminozide	0.0100	5.0	100.00	ND	Pass
DDVP	0.0120	5.0	100.00	ND	Pass
Diazinon	0.0050	5.0	100.00	ND	Pass
Dimethoate	0.0090	5.0	100.00	ND	Pass
Dimethomorph	0.0140	5.0	2000.00	ND	Pass
Ethoprophos	0.0160	5.0	100.00	ND	Pass
Etofenprox	0.0270	5.0	100.00	ND	Pass
Etoxazole	0.0200	5.0	100.00	ND	Pass
Fenhexamid	0.0250	5.0	100.00	ND	Pass
Fenoxycarb	0.0160	5.0	100.00	ND	Pass
Fenpyroximate	0.0290	5.0	100.00	ND	Pass
Fipronil	0.0190	5.0	100.00	ND	Pass
Flonicamid	0.0130	5.0	100.00	ND	Pass
Fludioxonil	0.0220	5.0	100.00	ND	Pass
Hexythiazox	0.0150	5.0	100.00	ND	Pass
Imazalil	0.0120	5.0	100.00	ND	Pass
Imidacloprid	0.0110	5.0	5000.00	ND	Pass
Kresoxim Methyl	0.0150	5.0	100.00	ND	Pass
Malathion	0.0180	5.0	500.00	ND	Pass
Metalaxyl	0.0160	5.0	2000.00	ND	Pass
Methiocarb	0.0180	5.0	100.00	ND	Pass
Methomyl	0.0110	5.0	1000.00	ND	Pass
Methyl Parathion	0.0080	5.0	100.00	ND	Pass
Mevinphos	0.0080	5.0	100.00	ND	Pass
Myclobutanil	0.0170	5.0	100.00	ND	Pass
Naled	0.0110	5.0	100.00	ND	Pass
Oxamyl	0.0110	5.0	500.00	ND	Pass
Paclobutrazol	0.0190	5.0	100.00	ND	Pass
Pentachloronitrobenzene	0.0160	5.0	100.00	ND	Pass
Permethrin	0.0230	5.0	500.00	ND	Pass
Phosmet	0.0100	5.0	100.00	ND	Pass
Piperonyl Butoxide	0.0200	5.0	3000.00	ND	Pass
Prallethrin	0.0150	5.0	100.00	ND	Pass
Propiconazole	0.0100	5.0	100.00	ND	Pass
Pyrethrins	0.0100	5.0	500.00	ND	Pass
Pyridaben	0.0240	5.0	100.00	ND	Pass
Spinetoram	0.0190	5.0	100.00	ND	Pass
Spinosad	0.0150	5.0	100.00	ND	Pass
Spiromesifen	0.0190	5.0	100.00	ND	Pass
Spirotetramat	0.0130	5.0	100.00	ND	Pass
Spiroxamine	0.0110	5.0	100.00	ND	Pass
Tebuconazole	0.0230	5.0	100.00	ND	Pass
Thiacloprid	0.0120	5.0	100.00	ND	Pass
Thiamethoxam	0.0080	5.0	5000.00	ND	Pass
Trifloxystrobin	0.0230	5.0	100.00	ND	Pass

Qualifiers: C-01
Entered by: 11
Instrument ID 1: LCMS-1
Instrument ID 2: 0
Date Tested (LC): 12/12/2024
Date Tested (GC):
LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008

Ryan Picard
Lab Director
12/17/2024

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Microbials

Pass

Analyte	Limit	Results	Qualifiers	Status
	CFU/g	CFU/g		
Total Viable Aerobic Bacteria	100000	<100		Pass
Total Yeast & Mold	100000	<100		Pass
E. coli	Not Detected in 1g	Not Detected		Pass
Listeria monocytogenes	Not Detected in 1g	Not Detected		Pass
Salmonella	Not Detected in 1g	Not Detected		Pass
Shiga Toxin E. Coli	Not Detected in 1g	Not Detected		Pass
Aspergillus flavus	Not Detected in 1g	Not Detected		Pass
Aspergillus fumigatus	Not Detected in 1g	Not Detected		Pass
Aspergillus niger	Not Detected in 1g	Not Detected		Pass
Aspergillus terreus	Not Detected in 1g	Not Detected		Pass

Entered by: 009
Instrument ID: PCR-1
Date Tested: 12/11/2024
Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
B1	0.0	1.0	20.0	ND		Pass
B2	0.0	1.0	20.0	ND		Pass
G1	0.0	1.0	20.0	ND		Pass
G2	0.0	1.0	20.0	ND		Pass
Ochratoxin A	0.0	1.0	20.0	ND		Pass

Qualifiers: C-01
Entered by: 11
Instrument ID: LCMS-1
Date Tested: 12/11/2024
LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.236	0.500	200.000	ND		Pass
Cadmium	0.115	0.500	200.000	ND		Pass
Chromium	0.216	0.500	600.000	159.116		Pass
Lead	0.088	0.500	500.000	ND		Pass
Mercury	0.188	0.200	100.000	ND		Pass

Entered by: 3
Instrument ID: ICPMS-1
Date Tested: 12/11/2024
LOD = Limit of Detection. LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005

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Lab Director
12/17/2024

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