

4JGR45-AF

BioTrack Lot ID: 8651 8104 2017 8697

Sample ID: 2411ANSCT0075.0436

Strain: GMO x Rootbeer

Plant, Flower - Cured, GMO x Rootbeer Flower,,

Produced:

Completed: 11/27/2024

Expiration: 11/27/2025

Batch ID:

Client

Affinity Grow

Lic. # ACME.0008473

47 Lower Main St

Portland, CT 06480

Sample Size: 28 g

COC #: 2411ANSCT0075; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Batch		Pass
Cannabinoids	11/22/2024	Complete
Moisture	11/22/2024	14% - Complete
Water Activity	11/22/2024	0.52 aw - Complete
Terpenes	11/22/2024	Complete
Microbials	11/21/2024	Pass
Mycotoxins	11/22/2024	Pass
Pesticides	11/22/2024	Pass
Heavy Metals	11/22/2024	Pass

Moisture Entered By: 70

Instrument ID: MA-2

Moisture analyzed per SOP-004

Water Activity Entered By: 70

Instrument ID: WA-1

Water Activity analyzed per SOP-020. NT= Not

Tested, NR = Not Reported.

Cannabinoids

Complete

21.42%

Total THC

ND

Total CBD

21.98%

Total Cannabinoids

Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00003	0.00010	21.200	212.000	
Δ9-THC	0.00003	0.00010	0.230	2.300	
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	0.560	5.600	
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			21.424	214.241	
Total Active THC			18.817	188.171	
Total Available CBD			ND	ND	
Total Active CBD			ND	ND	
Total Available Cannabinoids			21.984	219.838	
Total Active Cannabinoids			19.309	193.085	

Entered by: 5; Instrument ID: 1; Date Tested: 11/22/2024;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = Δ9-THC + THCa. Total Active THC = Δ9-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 + CBGA0.878+ CBG + CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.




Ryan Picard
Lab Director
11/27/2024

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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
β-Caryophyllene		0.00003	0.0005	0.28	2.762	
α-Cedrene		0.00002	0.0004	0.27	2.725	
Linalool		0.00002	0.0005	0.22	2.204	
Limonene		0.00004	0.0005	0.20	2.022	
Nerolidol			0.0005	0.18	1.809	
α-Humulene		0.00003	0.0005	0.09	0.892	
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-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-Myrcene		0.00004	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				1.24	12.414	

Primary Aromas

 Cinnamon	 Wood	 Lavender	 Orange	 Apple
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Entered by: 007

Instrument ID: GCMS-1

Date Tested: 11/22/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.




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Lab Director
11/27/2024

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The sampling was performed by Analytics Labs CT LLC, in accordance with established sampling protocols. Samples were received intact and underwent testing following all appropriate chain of custody and sample control protocols. All pass limits are as specified in the most recent version of Chapter 420f Sec. 21a 408-414, Chapter 420h Sec. 21a 420-429 and 21a 421j-(1-40). This product has been tested by Analytics Labs using internally validated testing methodologies and a quality management system. Uncertainty and test condition information is available upon request. Decision Rule (measurement of uncertainty) is not used to determine Pass/Fail. Analytics Labs makes no claim as to the efficacy, safety, or other risk 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 consent of Analytics Labs CT.

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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	
γ-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				1.24	12.414	

Primary Aromas

 Cinnamon	 Wood	 Lavender	 Orange	 Apple
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Entered by: 007

Instrument ID: GCMS-1

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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	PPB	PPB	PPM	PPB			PPB	PPB	PPM	PPB	
Abamectin	0.0270	5.0	0.10	ND	Pass	Fludioxonil	0.0220	5.0	0.10	ND	Pass
Acephate	0.0130	5.0	0.10	ND	Pass	Hexythiazox	0.0150	5.0	0.10	ND	Pass
Acequinocyl	0.0100	5.0	0.10	ND	Pass	Imazalil	0.0120	5.0	0.10	ND	Pass
Acetamiprid	0.0110	5.0	0.10	ND	Pass	Imidacloprid	0.0110	5.0	5.00	ND	Pass
Aldicarb	0.0130	5.0	0.10	ND	Pass	Kresoxim Methyl	0.0150	5.0	0.10	ND	Pass
Azoxystrobin	0.0210	5.0	0.10	ND	Pass	Malathion	0.0180	5.0	0.50	ND	Pass
Bifenazate	0.0270	5.0	0.10	ND	Pass	Metalaxyl	0.0160	5.0	2.00	ND	Pass
Bifenthrin	0.0280	5.0	3.00	ND	Pass	Methiocarb	0.0180	5.0	0.10	ND	Pass
Boscalid	0.0110	5.0	0.10	ND	Pass	Methomyl	0.0110	5.0	1.00	ND	Pass
Captan	0.0900	5.0	0.70	ND	Pass	Methyl Parathion	0.0080	5.0	0.10	ND	Pass
Carbaryl	0.0110	5.0	0.50	ND	Pass	Mevinphos	0.0080	5.0	0.10	ND	Pass
Carbofuran	0.0130	5.0	0.10	ND	Pass	Myclobutanil	0.0170	5.0	0.10	ND	Pass
Chlorantraniliprole	0.0120	5.0	10.00	ND	Pass	Naled	0.0110	5.0	0.10	ND	Pass
Chlordane	0.0320	5.0	0.10	ND	Pass	Oxamyl	0.0110	5.0	0.50	ND	Pass
Chlorfenapyr	0.0280	5.0	0.10	ND	Pass	Paclobutrazol	0.0190	5.0	0.10	ND	Pass
Chlorpyrifos	0.0270	5.0	0.10	ND	Pass	Pentachloronitrobenzene	0.0160	5.0	0.10	ND	Pass
Clofentezine	0.0120	5.0	0.10	ND	Pass	Permethrin	0.0230	5.0	0.50	ND	Pass
Coumaphos	0.0090	5.0	0.10	ND	Pass	Phosmet	0.0100	5.0	0.10	ND	Pass
Cyfluthrin	0.0170	5.0	2.00	ND	Pass	Piperonyl Butoxide	0.0200	5.0	3.00	ND	Pass
Cypermethrin	0.0230	5.0	1.00	ND	Pass	Prallethrin	0.0150	5.0	0.10	ND	Pass
Daminozide	0.0100	5.0	0.10	ND	Pass	Propiconazole	0.0100	5.0	0.10	ND	Pass
DDVP	0.0120	5.0	0.10	ND	Pass	Pyrethrins	0.0100	5.0	0.50	ND	Pass
Diazinon	0.0050	5.0	0.10	ND	Pass	Pyridaben	0.0240	5.0	0.10	ND	Pass
Dimethoate	0.0090	5.0	0.10	ND	Pass	Spinetoram	0.0190	5.0	0.10	ND	Pass
Dimethomorph	0.0140	5.0	2.00	ND	Pass	Spinosad	0.0150	5.0	0.10	ND	Pass
Ethoprophos	0.0160	5.0	0.10	ND	Pass	Spiromesifen	0.0190	5.0	0.10	ND	Pass
Etofenprox	0.0270	5.0	0.10	ND	Pass	Spirotetramat	0.0130	5.0	0.10	ND	Pass
Etoazole	0.0200	5.0	0.10	ND	Pass	Spiroxamine	0.0110	5.0	0.10	ND	Pass
Fenhexamid	0.0250	5.0	0.10	ND	Pass	Tebuconazole	0.0230	5.0	0.10	ND	Pass
Fenoxycarb	0.0160	5.0	0.10	ND	Pass	Thiacloprid	0.0120	5.0	0.10	ND	Pass
Fenpyroximate	0.0290	5.0	0.10	ND	Pass	Thiamethoxam	0.0080	5.0	5.00	ND	Pass
Fipronil	0.0190	5.0	0.10	ND	Pass	Trifloxystrobin	0.0230	5.0	0.10	ND	Pass
Flonicamid	0.0130	5.0	0.10	ND	Pass						

Entered by: 11

Instrument ID 1: LCMS-1

Instrument ID 2: 0

Date Tested (LC): 11/22/2024

Date Tested (GC):

LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008




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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	5000		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: 11/21/2024

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

Instrument ID: LCMS-1

Date Tested: 11/21/2024

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	1.000	200.000	ND		Pass
Cadmium	0.115	1.000	200.000	ND		Pass
Chromium	0.216	1.000	600.000	518.470		Pass
Lead	0.088	1.000	500.000	ND		Pass
Mercury	0.188	0.500	100.000	ND		Pass

Qualifiers: MS-03

Entered by: 3

Instrument ID: ICPMS-1

Date Tested: 11/21/2024

LOD = Limit of Detection, LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005




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