

CalmUnity Farms

39 Wuthering Drive
Elmira, NY, 14903

607-331-3832

License #: OCM-MICR-24-000129

Certificate of Analysis

Final



Date Released: 12/30/2024 6:41:55PM

Report #: 36319

Gelato Mix Ice Water Taffy

Sample #: 8768, Weight: 8.00g, Unit Count:

Order #: X241220-0002

Category/Type: Concentrates & Extract, Concentrate

Date Collected: 12/19/2024 6:30:00PM

Date Received: 12/20/2024 9:37:48AM

Date Sampled: 12/19/2024 3:51:48PM

Regulator Sample ID: 6969 8130 3559

Regulator Source Package ID: 6969 8130 3559

Regulator Batch ID: 6969 8130 3559

Size: 1200Units, Unit Count:



Total Cannabinoids
70.64 %
706.4 mg/g



Total THC
58.55 %
585.5 mg/g



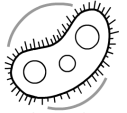
Total CBD
0.2449 %
2.449 mg/g



Total Terpenes
4.943 %



Heavy Metals
PASS



Microbials
PASS



Residual Solvents
PASS



Pesticides
PASS



Mycotoxins
PASS

Potency Analysis by HPLC

Total Cannabinoids: **70.64 % - 706.4 mg/g**
Total THC: **58.55 % - 585.5 mg/g**
Total CBD: **0.2449 % - 2.449 mg/g**

Date Completed: 12/22/2024 1:21PM

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCa	23978-85-0	0.001000	56.50	565.0	<div style="width: 100%; height: 10px; background-color: green;"></div>
d9-THC	1972-08-3	0.001000	8.595	85.95	<div style="width: 15%; height: 10px; background-color: green;"></div>
CBGa	25555-57-1	0.001000	4.374	43.74	<div style="width: 5%; height: 10px; background-color: green;"></div>
CBG	25654-31-3	0.001000	0.4264	4.264	<div style="width: 1%; height: 10px; background-color: green;"></div>
d8-THC	5957-75-5	0.001000	0.4033	4.033	<div style="width: 1%; height: 10px; background-color: green;"></div>
CBDa	1244-58-2	0.001000	0.2793	2.793	<div style="width: 1%; height: 10px; background-color: green;"></div>

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Kelly Greenland

Dr. Kelly Greenland, Lab Director





Sample #: 8768

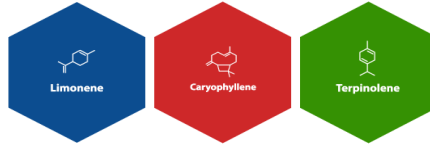
Gelato Mix Ice Water Taffy

Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
CBN	521-35-7	0.001000	0.06116	0.6116	
d10/R9-THC		0.001000	ND	ND	
d10/S9-THC		0.001000	ND	ND	
THCV	31262-37-0	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBDV	24274-48-4	0.001000	ND	ND	
CBC	20675-51-8	0.001000	ND	ND	

Test Comment: Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

Terpenes by HS-GC-MS

Date Completed: 12/21/2024 2:34PM



Compound	CAS#	LOQ (%)	%	Relative Concentration
Limonene	5989-27-5	0.1000	1.294	
Beta-caryophyllene	87-44-5	0.1000	1.011	
Farnesene	502-61-4	0.1000	0.5330	
Terpinolene	586-62-9	0.1000	0.4554	
Beta-myrcene	123-35-3	0.1000	0.4479	
Alpha-humulene	6753-98-6	0.1000	0.2910	
Linalool	78-70-6	0.1000	0.2351	
Beta-pinene	127-91-3	0.1000	0.2280	

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Sample #: 8768

Gelato Mix Ice Water Taffy

Compound	CAS#	LOQ (%)	%	Relative Concentration
Alpha-pinene	80-56-8	0.1000	0.2275	<div style="width: 20%;"></div>
Ocimene	13877-91-3	0.1000	0.2200	<div style="width: 20%;"></div>
Results based on dry weight				
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaial	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Terpineol	8006-39-1	0.1000	ND	
Fenchol	14575-74-7	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Pesticides by LCMSMS

Pass

Analysis Date: 12/30/2024 11:59 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass

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Pesticides by LCMSMS

Pass

Analysis Date: 12/30/2024 11:59 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlorfenapyr	0.0100	1.00	ND	Pass
Chloromequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxycarb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Fonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass

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Sample #: 8768

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Pesticides by LCMSMS

Pass

Analysis Date: 12/30/2024 11:59 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxyl	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass

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Sample #: 8768

Gelato Mix Ice Water Taffy

Pesticides by LCMSMS

Pass

Analysis Date: 12/30/2024 11:59 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

Residual Solvents by HS-GC-MS

Pass

Analysis Date: 12/23/2024 3:57 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
1,2-Dichloroethane	0.0500	5.00	ND	Pass
Acetone	50.00	5000	ND	Pass
Acetonitrile	50.00	410	ND	Pass
Benzene	0.5000	2.00	ND	Pass
Butanes Total	25.00	5000	ND	Pass
Chloroform	0.5000	60.0	ND	Pass
Dimethyl Sulfoxide (DMSO)	50.00	5000	ND	Pass
Ethanol	50.00	5000	89.53	Pass
Ethyl acetate	50.00	5000	ND	Pass
Ethyl ether	50.00	5000	ND	Pass
Freon	50.00	1000	ND	Pass
Heptane	50.00	5000	ND	Pass
Hexanes Total	10.00	290	ND	Pass
Isopropanol	50.00	5000	ND	Pass

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Sample #: 8768

Gelato Mix Ice Water Taffy

Residual Solvents by HS-GC-MS

Pass

Analysis Date: 12/23/2024 3:57 pm

Compound	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
Methanol	50.00	3000	214.1	Pass
Methylene chloride	50.00	600	ND	Pass
Pentanes Total	16.70	5000	ND	Pass
Propane	50.00	5000	ND	Pass
Toluene	50.00	890	ND	Pass
Total xylenes	25.00	2170	ND	Pass
Trichloroethane (1,1,1-)	50.00	1500	ND	Pass

Comment: Residual Solvents tested by GCMS using P-NY170. Unless otherwise stated, all QC passed. "TIC" stands for Tentatively Identified Compound but not quantitated.

Mycotoxins by LCMSMS

Pass

Analysis Date: 12/30/2024 11:59 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Aflatoxin B1	0.0050	0.020	ND	Pass
Aflatoxin B2	0.0050	0.020	ND	Pass
Aflatoxin G1	0.0050	0.020	ND	Pass
Aflatoxin G2	0.0050	0.020	ND	Pass
Ochratoxin A	0.0050	0.020	ND	Pass
Total Aflatoxin	0.0050	0.020	ND	Pass

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

Heavy Metals by ICPMS

Pass

Analysis Date: 12/23/2024 11:55 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Antimony	0.0100	2.00	ND	Pass
Arsenic	0.00100	0.200	ND	Pass
Cadmium	0.00150	0.300	ND	Pass
Chromium	0.280	110	ND	Pass
Copper	0.0750	30.0	9.91	Pass

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Sample #: 8768

Gelato Mix Ice Water Taffy

Heavy Metals by ICPMS

Pass

Analysis Date: 12/23/2024 11:55 am

Compound	LOQ (µg/g)	Limits (µg/g)	Result (µg/g)	Status
Lead	0.00250	0.500	0.0409	Pass
Mercury	0.000500	0.100	ND	Pass
Nickel	0.0100	2.00	0.248	Pass

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

Micro by Petri & qPCR

Pass

Analysis Date: 12/26/2024 10:10 am

Compound	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Aspergillus flavus Qualitative	1	0	Not Detected	Pass
Aspergillus fumigatus Qualitative	1	0	Not Detected	Pass
Aspergillus niger Qualitative	1	0	Not Detected	Pass
Aspergillus terreus Qualitative	1	0	Not Detected	Pass
Salmonella Qualitative	1	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative	1	0	Not Detected	Pass
Total Aerobic Bacteria	10	10000	400	Pass
Total Yeast & Mold	10	1000	<LOQ	Pass

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed.

Due to COA validation limitations: "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.

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