Borealis Natural Gardens

Sample: 2208FID3535.23645

Strain: Guava Mints Gelato
Batch #: 1; Lot #:
METRC Batch: 1A4080100001FAE000000732; METRC Sample: 1A4080100001FAE000000743
Analysis Initiated: 08/26/2022; Report Created: 08/30/2022
Sampling SOP: SOP-0050

Guava Mints Gelato

Plant, Flower - Cured, Indoor
Harvest/Production Date: 08/02/2022

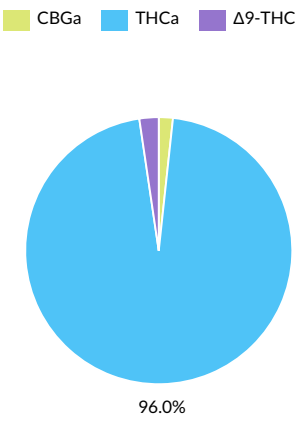
18.60% Total Potential Psychoactive THC	**<LOQ** Total CBD	**Pass** Foreign Matter
21.14% Total Raw THC	**21.50%** Total Cannabinoids	**Pass** 9.63% Moisture

Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 08172022

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.05	20.63	206.3
Δ9-THC	0.05	0.50	5.0
Δ8-THC	0.05	ND	ND
THCV	0.05	ND	ND
CBDa	0.05	<LOQ	<LOQ
CBD	0.05	ND	ND
CBN	0.05	ND	ND
CBGa	0.05	0.37	3.7
CBG	0.05	ND	ND
CBC	0.05	ND	ND
Total		**21.50**	**215.0**



Total Potential Psychoactive THC = THCa * 0.877 + d9-THC
Total CBD = CBDa * 0.877 + CBD
LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.
SOP-0037; Full spectrum cannabinoid analysis by High Performance Liquid Chromatography with UV detection (HPLC-UV). Reported result is based on sample dry weight.
SOP-0035; Foreign matter inspection includes but is not limited to hair, insects, stems, and feces. Filth is inspected using a M16-209 stereoscope. Stem measurements are performed using fisher calipers.
SOP-0036; Moisture analysis is performed using a Shimadzu moisture analyzer MOC63u UL.

Fidelity Diagnostics Laboratory
216 Trade St.
Missoula, MT 59808
(406) 926-2211
http://www.fidimt.com
License # L-100170-003

Accredited to ISO/IEC 17025:2017
Accreditation #: 102722

Andre Umansky
Laboratory Director

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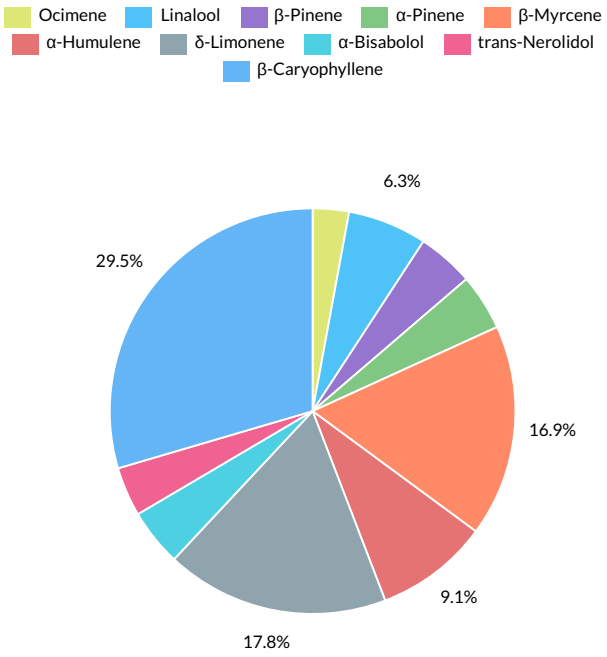
Guava Mints Gelato

Plant, Flower - Cured, Indoor
Harvest/Production Date: 08/02/2022

Terpenes

Analytical Calibration Batch: Terpenes 08122022

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	0.459	4.59
δ-Limonene	0.008	0.276	2.76
β-Myrcene	0.008	0.263	2.63
α-Humulene	0.008	0.141	1.41
Linalool	0.008	0.098	0.98
α-Bisabolol	0.008	0.071	0.71
β-Pinene	0.008	0.070	0.70
α-Pinene	0.008	0.070	0.70
trans-Nerolidol	0.008	0.061	0.61
Ocimene	0.008	0.045	0.45
α-Terpinene	0.008	ND	ND
Camphene	0.008	ND	ND
Caryophyllene Oxide	0.008	ND	ND
cis-Nerolidol	0.008	ND	ND
δ-3-Carene	0.008	ND	ND
Eucalyptol	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Geraniol	0.008	ND	ND
Guaiol	0.008	ND	ND
Isopulegol	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	ND	ND
Total		**1.552**	**15.52**



Primary Aromas

Cinnamon | Lemon | Hops | Lavender | Chamomile

LOQ = Limit of Quantitation; NT = Not Tested; NR = Not Reported; ND = None Detected; PPM = Parts per Million; PPB = Parts per Billion; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0044; Terpenoid profile screen is performed using a Thermo Scientific TRACE 1300 Gas Chromatography instrument equipped with a Flame Ionization Detector (GC-FID).

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Residual Solvents

Not Tested

Analytical Calibration Batch:

Analyte	LOQ	State Limits	Mass	Status

Analyte	LOQ	State Limits	Mass	Status

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SOP-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

Mycotoxins

Pass

Analytical Calibration Batch: 08/22/2022

Analyte	LOQ	State Limit	Mass	Status
	PPB	PPB	PPB	
Ochratoxin A	12	20	ND	Pass
Total Aflatoxins	20	20	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Mycotoxin screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Mold	10000	NR	NT
Aspergillus flavus	Not Detected in 1.0g	ND	Pass
Aspergillus fumigatus	Not Detected in 1.0g	ND	Pass
Aspergillus niger	Not Detected in 1.0g	ND	Pass
Aspergillus terreus	Not Detected in 1.0g	ND	Pass
Salmonella	Not Detected in 1.0g	ND	Pass
STEC	Not Detected in 1.0g	ND	Pass

LOQ = Limit of Quantitation; TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057: STEC and Salmonela analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0063: Aspergillus species specific analysis on AriaDX qPCR using Medicinal Genomics validated methods. SOP-0061: Mold enumeration using Hardy Diagnostics media.

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Pesticides

Pass

Analytical Calibration Batch: 08/22/2022

Analyte	LOQ	State Limit	Expanded Limit	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.12	0.5	0.5	ND	Pass
Acequinocyl	0.12	2	2	ND	Pass
Bifenazate	0.12	0.2	0.2	ND	Pass
Bifenthrin	0.12	0.2	0.2	ND	Pass
Chlormequat chloride	0.12	1	1	ND	Pass
Cyfluthrin	0.12	1	1	ND	Pass
Daminozide	0.12	1	1	ND	Pass
Etoxazole	0.12	0.2	0.2	ND	Pass
Fenoxycarb	0.12	0.2	0.2	ND	Pass
Imazalil	0.12	0.2	0.2	ND	Pass
Imidacloprid	0.12	0.4	0.4	ND	Pass
Myclobutanil	0.12	0.2	0.2	ND	Pass
Paclobutrazol	0.12	0.4	0.4	ND	Pass
Pyrethrins	0.12	1	1	ND	Pass
Spinosad	0.12	0.2	0.2	ND	Pass
Spirotetramat	0.12	0.2	0.2	ND	Pass
Trifloxystrobin	0.12	0.2	0.2	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0048; Pesticide screening is performed using Sciex 6500+ LCMSMS with Exion XR front HPLC.

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