



Montana Pure, LLC

PO BOX 9953
Kalispel, MT 59904
info@montanapurebotanicals.com
(800) 864-5425
Lic. #

Sample: 2012FID3556.22563

Strain: Merlot
Batch #: MPB G1-20; Lot #:
METRC Batch: ; METRC Sample:
Analysis Initiated: 12/15/2020; Report Created: 12/22/2020
Sampling SOP: SOP-0050

MPB G1-20

Ingestible, Tincture, CO2
Harvest/Production Date:



	1.99 mg/mL Total Potential Psychoactive THC	52.33 mg/mL Total CBD	Not Tested Foreign Matter
	2.01 mg/mL Total Raw THC	59.55 mg/mL Total Cannabinoids	Not Tested NT Moisture

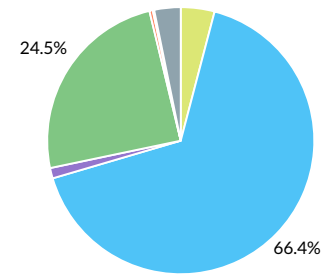
Cannabinoids

Complete

Analytical Calibration Batch: Cannabinoids AF 11182020

Analyte	LOQ mg/mL	Mass mg/mL	Mass mg/g
THCa	0.00	0.10	0.11
Δ9-THC	0.00	1.90	2.06
Δ8-THC	0.00	ND	ND
THCV	0.00	ND	ND
CBDa	0.00	14.60	15.77
CBD	0.00	39.52	42.70
CBN	0.00	ND	ND
CBGa	0.00	0.24	0.26
CBG	0.00	0.75	0.81
CBC	0.00	2.43	2.63
Total		59.55	64.34

■ CBC
 ■ CBD
 ■ CBG
 ■ CBDa
■ CBGa
 ■ THCa
 ■ Δ9-THC



1 ml = 0.9256 g

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; 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-0037; Full spectrum cannabinoid analysis utilizing Shimadzu Prominence High Performance Liquid Chromatography with UV detection (HPLC-UV).

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
1001 North Russell St.
Missoula, MT 59808
(406) 926-2211
http://www.fidimt.com
License # L-00002



Andre Umansky
Laboratory Director

Accredited to ISO/IEC 17025:2017
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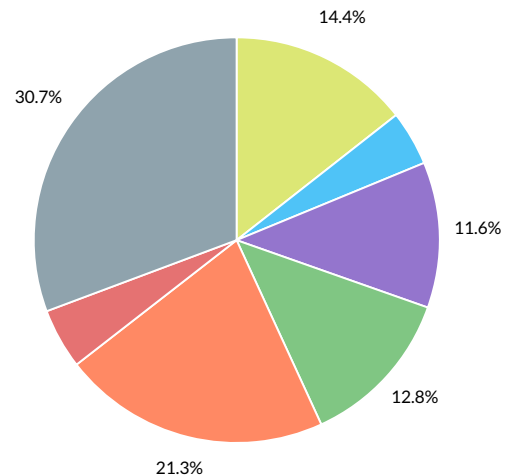


Terpenes

Analytical Calibration Batch: Terpenes 12022020

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	0.063	0.63
α-Bisabolol	0.008	0.043	0.43
Guaiol	0.008	0.029	0.29
α-Humulene	0.008	0.026	0.26
β-Myrcene	0.008	0.024	0.24
trans-Nerolidol	0.008	0.010	0.10
Linalool	0.008	0.009	0.09
α-Pinene	0.008	ND	ND
α-Terpinene	0.008	ND	ND
β-Pinene	0.008	ND	ND
Camphene	0.008	ND	ND
Caryophyllene Oxide	0.008	<LOQ	<LOQ
cis-Nerolidol	0.008	ND	ND
δ-3-Carene	0.008	ND	ND
δ-Limonene	0.008	<LOQ	<LOQ
Eucalyptol	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Geraniol	0.008	ND	ND
Isopulegol	0.008	ND	ND
Ocimene	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	ND	ND
Total		0.204	2.04

Legend:
■ Guaiol ■ Linalool ■ β-Myrcene ■ α-Humulene
■ α-Bisabolol ■ trans-Nerolidol ■ β-Caryophyllene



Primary Aromas



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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Certificate of Analysis

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MPB G1-20

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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

Not Tested

Analytical Calibration Batch: 12022020

Analyte	LOQ	State Limit	Mass	Status
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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
Aerobic Bacteria	CFU/g	CFU/g	
	100000	NR	NT
Bile-Tolerant Gram-Negative Bacteria	10000	NR	NT
E. Coli	1	ND	Pass
Mold	10000	ND	Pass
Salmonella		ND	Pass

LOQ = Limit of Quantitation; TNC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. SOP-0057: Mold, E.Coli, and Salmonella analysis on AriaDX qPCR using Medicinal Genomics validated methods.
SOP-0061: Mold enumeration using Hardy Diagnostics media.



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Pesticides

Analytical Calibration Batch: 12022020

Pass

Analyte	LOQ	State Limit	Expanded Limit	Mass	Status
	PPM	PPM	PPM	PPM	
Abamectin	0.30	2.5	2.5	ND	Pass
Acequinocyl	0.30	10	10	ND	Pass
Bifenazate	0.30	1	1	ND	Pass
Bifenthrin	0.30	1	1	ND	Pass
Chloromequat	0.30	5	5	ND	Pass
Cyfluthrin	0.30	5	5	ND	Pass
Daminozide	0.30	5	5	ND	Pass
Etoazole	0.30	1	1	ND	Pass
Fenoxycarb	0.30	1	1	ND	Pass
Imazalil	0.30	1	1	ND	Pass
Imidacloprid	0.30	2	2	ND	Pass
Myclobutanil	0.30	0.6	0.6	ND	Pass
Paclobutrazol	0.30	2	2	ND	Pass
Pyrethrins	0.30	5	5	ND	Pass
Spinosad	0.30	1	1	ND	Pass
Spiromesifen	0.30	1	1	ND	Pass
Spirotetramat	0.30	1	1	ND	Pass
Trifloxystrobin	0.30	1	1	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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