



Montana Pure, LLC

PO BOX 1404
Bozeman, MT 59771
info@montanapurebotanicals.com
(406) 219-7925
Lic. #

Sample: 2301FID0397.2743

Strain: MPB Signature
Batch #: G1-22; Lot #:
METRC Batch: ; METRC Sample:
Analysis Initiated: 01/30/2023; Report Created: 02/01/2023
Sampling SOP: SOP-0050

MPB G1-22 Full Spectrum Hemp Oil 1500mg CBD blend

Ingestible, Tincture, Other
Harvest/Production Date:



	1.83 mg/mL Total Potential Psychoactive THC	53.70 mg/mL Total CBD	Not Tested Foreign Matter
	1.87 mg/mL Total Raw THC	60.35 mg/mL Total Cannabinoids	Not Tested NT Moisture

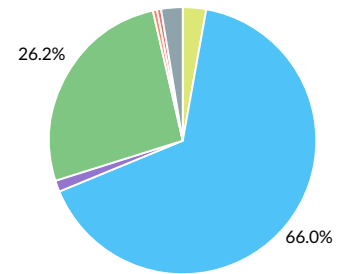
Cannabinoids

Pass

Analytical Calibration Batch: Cannabinoids AF 01042023

Analyte	LOQ mg/mL	Mass mg/mL	Mass mg/g
THCa	0.00	0.29	0.32
Δ9-THC	0.00	1.57	1.70
Δ8-THC	0.00	ND	ND
THCV	0.00	ND	ND
CBDa	0.00	15.84	17.06
CBD	0.00	39.80	42.88
CBN	0.00	ND	ND
CBGa	0.00	0.31	0.33
CBG	0.00	0.83	0.89
CBC	0.00	1.71	1.84
Total		60.35	65.01

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



1 mL = 0.9283 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; 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



Andre Umansky
Laboratory Director

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

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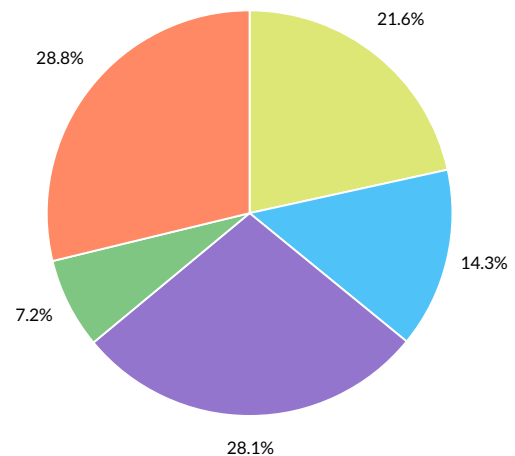


Terpenes

Analytical Calibration Batch: Terpenes 12/13/2022

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.008	0.035	0.35
α-Bisabolol	0.008	0.034	0.34
Guaiol	0.008	0.026	0.26
α-Humulene	0.008	0.018	0.18
trans-Nerolidol	0.008	0.009	0.09
α-Pinene	0.008	ND	ND
α-Terpinene	0.008	ND	ND
β-Myrcene	0.008	<LOQ	<LOQ
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	ND	ND
Eucalyptol	0.008	ND	ND
γ-Terpinene	0.008	ND	ND
Geraniol	0.008	ND	ND
Isopulegol	0.008	ND	ND
Linalool	0.008	<LOQ	<LOQ
Ocimene	0.008	ND	ND
p-Cymene	0.008	ND	ND
Terpinolene	0.008	<LOQ	<LOQ
Total		0.122	1.22

Legend: Guaiol (Yellow), α-Humulene (Blue), α-Bisabolol (Purple), trans-Nerolidol (Green), β-Caryophyllene (Orange)



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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Residual Solvents

Not Tested

Analytical Calibration Batch:

Analyte	LOQ	State Limits	Mass	Status	Analyte	LOQ	State Limits	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-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

Mycotoxins

Not Tested

Analytical Calibration Batch:

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
	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 Salmonella 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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