



Nature's Element CBD

Ronan, MT 59864
natureselementcbd@gmail.com

Sample: 2003FID0804.4823

Strain: Hemp
Batch #: 202003; Lot #: 2003-17
METRC Batch: ; METRC Sample:
Analysis Initiated: 08/18/2020; Report Created: 08/19/2020
Sampling SOP: SOP-0050

Nature's Element 1000 Peppermint

Concentrates & Extracts, Cannabinoid Isolate, Alcohol
Production Date: 03/13/2020



0.10% Total Potential Psychoactive THC	1022.6 mg/Unit Total CBD	Not Tested Foreign Matter
0.10% Total Raw THC	1136.7 mg/Unit Total Cannabinoids	Not Tested NT Moisture

Cannabinoids

Complete

Analytical Calibration Batch: Cannabinoids AF 03172020

Analyte	LOQ	Mass	Mass
	%	%	mg/unit
THCa	0.09	ND	ND
Δ 9-THC	0.09	0.10	27.4
Δ 8-THC	0.09	ND	ND
THCV	0.09	ND	ND
CBDa	0.09	0.72	202.1
CBD	0.09	3.02	845.4
CBN	0.09	ND	ND
CBGa	0.09	<LOQ	<LOQ
CBG	0.09	<LOQ	<LOQ
CBC	0.09	0.22	61.8
Total		4.06	1136.7

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
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Andre Umansky

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Laboratory Director

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

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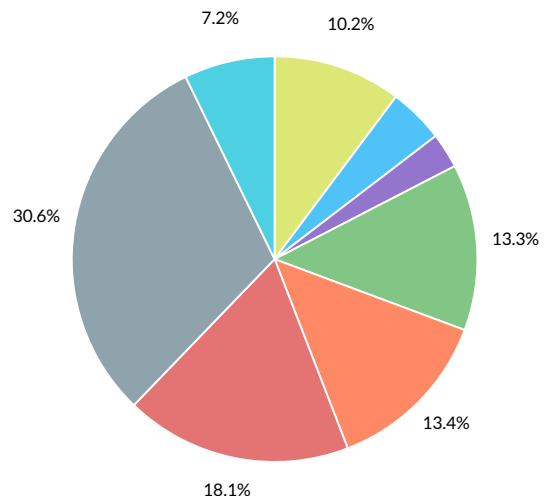
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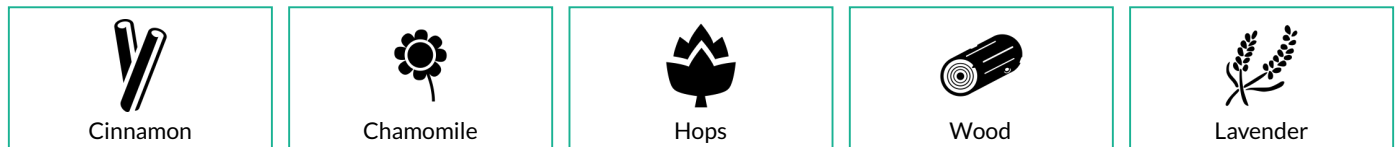
Terpenes

Analyte	LOQ	Mass	Mass
	%	%	mg/g
β-Caryophyllene	0.01	0.09	0.9
α-Bisabolol	0.01	0.06	0.6
α-Humulene	0.01	0.04	0.4
β-Myrcene	0.01	0.04	0.4
Guaiol	0.01	0.03	0.3
Caryophyllene Oxide	0.01	0.02	0.2
Linalool	0.01	0.01	0.1
α-Pinene	0.01	0.01	0.1
α-Terpinene	0.01	<LOQ	<LOQ
β-Pinene	0.01	<LOQ	<LOQ
Camphene	0.01	<LOQ	<LOQ
δ-3-Carene	0.01	<LOQ	<LOQ
δ-Limonene	0.01	<LOQ	<LOQ
Eucalyptol	0.01	<LOQ	<LOQ
γ-Terpinene	0.01	<LOQ	<LOQ
Geraniol	0.01	<LOQ	<LOQ
Isopulegol	0.01	<LOQ	<LOQ
Nerolidol	0.01	<LOQ	<LOQ
Ocimene	0.01	<LOQ	<LOQ
p-Cymene	0.01	<LOQ	<LOQ
Terpinolene	0.01	<LOQ	<LOQ
Total		0.31	3.1

■ Guaiol
 ■ Linalool
 ■ α-Pinene
 ■ β-Myrcene
 ■ α-Humulene
■ α-Bisabolol
 ■ β-Caryophyllene
 ■ Caryophyllene Oxide



Primary Aromas



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Emily M. Crane

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QC Manager

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Residual Solvents

Pass

Analyte	LOQ	State Limits	Mass	Status	Analyte	LOQ	State Limits	Mass	Status
	PPM	PPM	PPM			PPM	PPM	PPM	
Acetone	400	5000	ND	Pass	Isopropanol	400	5000	ND	Pass
Benzene	2	2	ND	Pass	Methanol	400	3000	ND	Pass
Butane	40	5000	ND	Pass	Methylene-Chloride	20	5000	ND	Pass
Chloroform	2	2	ND	Pass	n-Pentane	20	5000	ND	Pass
Cyclohexane	20	3880	ND	Pass	o-Xylene	20	2170	ND	Pass
Ethyl-Acetate	20	5000	ND	Pass	Propane	40	5000	ND	Pass
Heptane	20	5000	ND	Pass	Toluene	20	890	ND	Pass
Hexanes	20	290	ND	Pass	Xylenes	20	2170	ND	Pass
Isobutane	40	5000	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-0056; A wide spectrum analysis of Residual Solvents using Gas Chromatography Mass Spectrometry (Thermo Scientific ISQ7000 GCMS).

Mycotoxins

Pass

Analytical Calibration Batch: 08062020

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	
Aerobic Bacteria	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: 08062020

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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