



Certificate of Analysis

Powered by Confident Cannabis
1 of 6

prime 90

190 North Cutler Drive
North Salt Lake, AZ 85210
caelum701@gmail.com
(801) 362-6642
Lic. #

Sample: 1905C4L0135.5417

Strain: Concentrate #3
Lot#: ; Batch#: 05203 J; Batch Size: - grams
Sample Received: 05/22/2019; Report Created: 05/23/2019; Expires: 05/23/2020

Concentrate #3

Concentrates & Extracts, Full Extract Cannabis Oil, Other



Dear Valued Colleague,

Thank you for selecting C4 Laboratories. Our goal at C4 is to provide reliable data that is interpreted within the appropriate physiological context, to ultimately empower patients to use cannabis medicine more effectively. The data within this report are the result of various analytical methods that have been developed by the team of scientists at C4 Laboratories. For the characterization and quantification of 21 terpene compounds and residual solvents we use Head-Space Gas Chromatography with Flame Ionization Detection (HS-GC-FID). Additionally, Ultra High Performance Liquid Chromatography (UHPLC) is used for the characterization and quantification of the 10 major phytocannabinoids found in cannabis. All data are collected in concert with proper quality assurance/quality control measures (QA/QC), including the use of intermittent analytical blanks, sample spikes, and commercial standards.

As an additional measure of quality control, we provide a historical reference (when available) to analytical results from an equivalent strain of cannabis/cannabis product to draw comparison. We understand that within an individual strain that results may vary as a result of variances in sample homogeneity, analytical methodology, crop conditions, genetic drift, and/or gene flow during hybridization. However, such a comparison can provide valuable insight into sample integrity and/or the phenotypic identity of the analyzed sample.

Additionally, we have interpreted all data within the physiological context provided to us by the growing body of peer-reviewed scientific research studies. Key factors to consider when determining how to most appropriately use a particular strain of cannabis include, but are not limited to, an evaluation of the possible cannabinoid/terpene synergies and an analysis of the various cannabinoid ratios, particular the CBD-A/THC-A, CBD/THC and CBG/CBN ratios. Using the scientific interpretations provided within this report, consult a physician prior to adopting a medical cannabis regiment for the treatment of specific medical conditions.

It is important to note that when analyzing cannabis there can exist natural variability of cannabinoid and terpene concentrations within individual plants. Cannabinoid concentrations in cannabis flower have been found to increase distally with respect to the root mass. As such, the analysis of multiple samples from any plant of interest is recommended.

Thank you again for your confidence in C4 Laboratories. We strive to be an authority on cannabis education, targeted therapies and patient protection. Also, as a research laboratory, we hope to discover novel cannabis constituents through our efforts with academic research programs in the C4 Cannabinomics Collaborative. For more information about how you can collaborate with our research team please visit our website at www.c4lab.com.



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Aaron Hicks
Director of Laboratory Operations



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prime 90

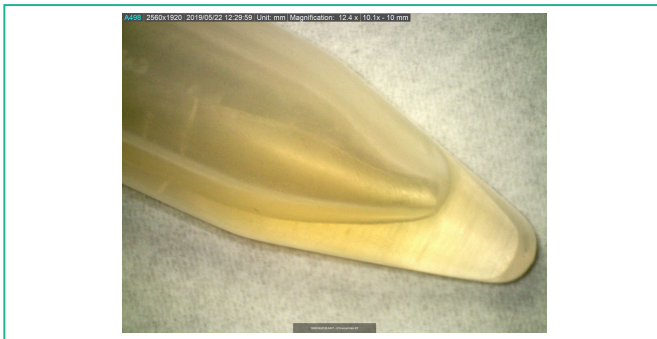
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2.890%	77.209%
Total THC	Total CBD
1.0	26.7
THC	CBD

Cannabinoids

NR Moisture	Pass Foreign Matter
-----------------------	-------------------------------

Analyte	LOQ %	Mass %	Mass mg/g	Std. Dev.
THCa	0.010	ND	ND	0
Δ9-THC	0.010	2.890	28.90	0.19
CBD	0.010	77.209	772.09	0.499
CBDa	0.010	ND	ND	0
CBC	0.010	2.901	29.01	0.087
CBG	0.010	1.621	16.21	0.112
CBN	0.010	ND	ND	0
THCV	0.010	ND	ND	0
Δ8-THC	0.010	ND	ND	0
CBDV	0.010	ND	ND	0
Total		84.621	846.21	

Notes:

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; NR = Not Reported; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Pass

Foreign Matter



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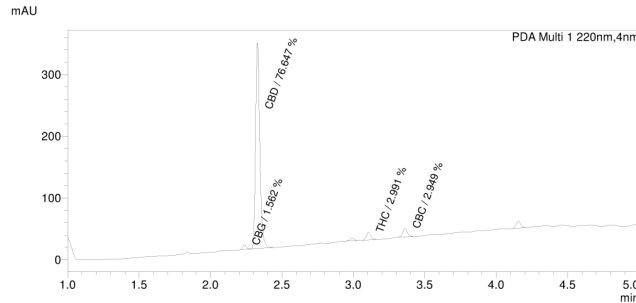
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Mesa, AZ 85210
www.c4lab.com

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Sample Name : 1905C4L0135.5417_Concentrate_#3_R3
Sample ID : Prime 90
Data Filename : 1905C4L0135.5417_Concentrate_#3_R3_004.lcd
Method Filename : 10 cannabinoids 1 Jan 2019.lcm
Batch Filename : Batch v20.lcb
Vial # : 1-39
Injection Volume : 5 ul
Date Acquired : 5/22/2019 4:54:17 PM
Date Processed : 5/22/2019 5:01:18 PM
Sample Type : Concentrate
Acquired by : Aaron J. Hicks
Processed by : Aaron J. Hicks

Cannabinoids by HPLC



Cannabinoids

Ret. Time	Area	Conc.	Name
--	--	--	-- CBD-V
--	--	--	-- CBD-A
2.237	13091	1.562%	CBG
2.329	675761	76.647%	CBD
--	--	--	-- THC-V
--	--	--	-- CBN
3.106	27648	2.991%	THC
--	--	--	-- CB-THC
3.361	30191	2.949%	CBC
--	--	--	-- THC-A

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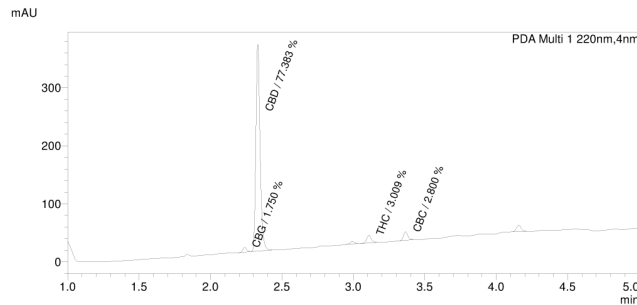
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Sample Name : 1905C4L0135.5417_Concentrate_#3_R2
Sample ID : Prime 90
Data Filename : 1905C4L0135.5417_Concentrate_#3_R2_003.lcd
Method Filename : 10_cannabinoids 1 Jan 2019.lcm
Batch Filename : Batch v20.lcb
Vial # : 1-38
Injection Volume : 5 uL
Date Acquired : 5/22/2019 4:46:56 PM
Date Processed : 5/22/2019 4:53:57 PM
Sample Type : Concentrate
Acquired by : Aaron J. Hicks
Processed by : Aaron J. Hicks

Cannabinoids by HPLC



Cannabinoids

Ret. Time	Area	Conc.	Name
--	--	--	-- CBD-V
--	--	--	-- CBD-A
2.239	15898	1.750%	CBG
2.331	721436	77.383%	CBD
--	--	--	-- THC-V
--	--	--	-- CBN
3.109	29586	3.009%	THC
--	--	--	-- CB-THC
3.365	30511	2.800%	CBC
--	--	--	-- THC-A

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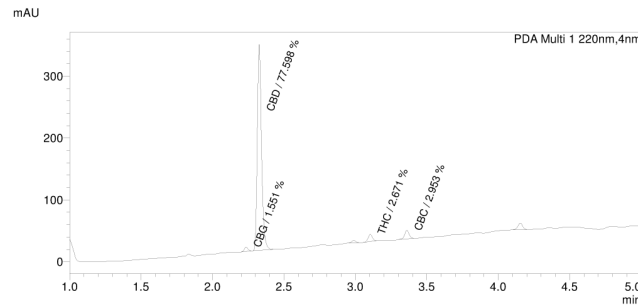
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Sample Name : 1905C4L0135.5417_Concentrate_#3_R1
Sample ID : Prime 90
Data Filename : 1905C4L0135.5417_Concentrate_#3_R1_002.lcd
Method Filename : 10 cannabinoids 1 Jan 2019.lcm
Batch Filename : Batch v20.lcb
Vial # : 1-37
Injection Volume : 5 uL
Date Acquired : 5/22/2019 4:39:34 PM
Date Processed : 5/22/2019 4:46:35 PM
Sample Type : Concentrate
Acquired by : Aaron J. Hicks
Processed by : Aaron J. Hicks

Cannabinoids by HPLC



Cannabinoids

Ret. Time	Area	Conc.	Name
--	--	--	-- CBD-V
--	--	--	-- CBD-A
2.235	12804	1.551%	CBG
2.327	675537	77.598%	CBD
--	--	--	-- THC-V
--	--	--	-- CBN
3.105	24382	2.671%	THC
--	--	--	-- CB-THC
3.361	29845	2.953%	CBC
--	--	--	-- THC-A

C:\LabSolutions\Data\22 May 2019\1905C4L0135.5417_Concentrate_#3_R1_002.lcd



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