



Certificate of Analysis

Sample: M000902019-001
Harvest/Lot ID: 20-06-F00001
Seed to Sale #N/A
Batch Date : 06/23/20
Batch#: N/A
Sample Size Received: 30 ml
Retail Product Size: 30 ml
Ordered : 09/01/20
Sampled : 09/01/20
Completed: 09/03/20 Expires: 09/03/21
Sampling Method: SOP Client Method

Sep 03, 2020 | Larimar Systems, Inc

551 Tapp Road, Unit 3
Harrodsburg, KY, 40330, US



PASSED

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PRODUCT IMAGE SAFETY RESULTS





Pesticides
NOT TESTED



Heavy Metals
NOT TESTED



Microbials
NOT TESTED


Mycotoxins
NOT TESTED


Residuals
Solvents
NOT TESTED


Filtration
NOT TESTED


Water Activity
NOT TESTED


Moisture
NOT TESTED

MISC.


Terpenes
TESTED

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
5.416%



Total Cannabinoids
5.435%

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	5.416%	ND	ND	ND	ND	0.019%	ND	ND	ND
ND	ND	54.160 mg/g	ND	ND	ND	ND	0.190 mg/g	ND	ND	ND
LOD 0.0001	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by: 19 Weight: 3.0067g Extraction date: 09/02/20 02:09:19 Extracted By: 9

Analysis Method - SOP.T.40.020, SOP.T.30.050 Reviewed On - 09/03/20 16:33:50
Analytical Batch - M0001015POT Instrument Used : HPLC Potency Analyzer Batch Date : 09/02/20 14:34:52

Reagent Dilution Consums. ID

40
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017 #97164



Signature

09/03/2020

Signed On



Certificate of Analysis

PASSED

Larimar Systems, Inc

551 Tapp Road, Unit 3
Harrodsburg, KY, 40330, US

Telephone: 412-996-4292

Email: mmulkern@larimarsystems.com

Sample : M000902019-001

Harvest/LOT ID: 20-06-F00001

Batch# : N/A

Sampled : 09/01/20

Ordered : 09/01/20

Sample Size Received : 30 ml

Completed : 09/03/20 Expires: 09/03/21

Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD	Units	Result (%)
ALPHA-PHELLANDRENE	0.005	%	ND
FENCHONE	0.01	%	ND
GAMMA-TERPINENE	0.005	%	ND
GERANIOL	0.005	%	ND
GERANYL ACETATE	0.01	%	ND
GUAJOL	0.005	%	ND
LIMONENE	0.005	%	0.119
LINALOOL	0.01	%	0.127
NEROL	0.005	%	ND
OCIMENE	0.005	%	ND
PULEGONE	0.005	%	ND
SABINENE	0.005	%	ND
SABINENE HYDRATE	0.01	%	ND
TERPINEOL	0.005	%	ND
TERPINOLENE	0.005	%	ND
TRANS-CARYOPHYLLENE	0.005	%	0.117
TRANS-NEROLIDOL	0.005	%	ND
VALENCENE	0.005	%	ND
CEDROL	0.005	%	ND
ALPHA-HUMULENE	0.005	%	0.007
ALPHA-PINENE	0.005	%	0.118
ALPHA-TERPINENE	0.005	%	ND
BETA-MYRCENE	0.005	%	ND
BETA-PINENE	0.005	%	ND
BORNEOL	0.01	%	ND
CAMPHENE	0.005	%	ND
CAMPHOR	0.01	%	ND
CARYOPHYLLENE OXIDE	0.005	%	0.008
ALPHA-CEDRENE	0.005	%	ND
ALPHA-BISABOLOL	0.005	%	ND
ISOPULEGOL	0.01	%	ND

Total 0.496

Terpenes	LOD	Units	Result (%)
CIS-NEROLIDOL	0.005	%	ND
3-CARENE	0.005	%	ND
FENCHYL ALCOHOL	0.005	%	ND
HEXAHYDROTHYMOL	0.005	%	ND
EUCALYPTOL	0.005	%	ND
ISOBORNEOL	0.005	%	ND



Terpenes

TESTED

Analyzed by 18 Weight 0.975g Extraction date 09/03/20 09:09:56 Extracted By 18

Analysis Method -SOP.T.40.090

Analytical Batch -M0001017TER

Reviewed On - 09/03/20 09:50:31

Instrument Used : GCMS8050 with Liquid Handler

Batch Date : 09/03/20 09:21:13

Reagent	Dilution	Consums. ID
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Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

David Greene
Lab Director

State License # 19-05-02P
ISO Accreditation #
17025:2017 #97164



Signature

09/03/2020

Signed On