



Certificate of Analysis

Sample: M000902016-001
Harvest/Lot ID: 20-06-C00004
Seed to Sale #N/A
Batch Date : 06/25/20
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

Page 1 of 2

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	 Terpenes TESTED
---	---	---	---	---	--	---	---	---

MISC.

CANNABINOID RESULTS



Total THC
0.000%



Total CBD
3.814%



Total Cannabinoids
3.826%

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	3.814%	ND	ND	ND	ND	0.012%	ND	ND	ND
ND	ND	38.140 mg/g	ND	ND	ND	ND	0.120 mg/g	ND	ND	ND
LOD 0.0001 %	LOD 0.001 %	LOD 0.0001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %	LOD 0.001 %

Cannabinoid Profile Test

Analyzed by 19	Weight 3.0003g	Extraction date : 09/02/20 02:09:58	Extracted By : 9
Analysis Method - SOP.T.40.020, SOP.T.30.050		Reviewed On - 09/03/20 16:32:49	
Analytical Batch - M0001015POT		Instrument Used : HPLC Potency Analyzer Batch Date : 09/02/20 14:34:52	

Reagent	Dilution 40	Consums. ID
---------	----------------	-------------

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



Signature

09/03/2020

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

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 : M000902016-001

Harvest/LOT ID: 20-06-C00004

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

Page 2 of 2



Terpenes

TESTED

Terpenes	LOD	Units	Result (%)
ALPHA-PHELLANDRENE	0.005	%	ND
FENCHONE	0.01	%	ND
GAMMA-TERPINENE	0.005	%	ND
GERANIOL	0.005	%	0.037
GERANYL ACETATE	0.01	%	ND
GUAJOL	0.005	%	ND
LIMONENE	0.005	%	0.044
LINALOOL	0.01	%	0.041
NEROL	0.005	%	0.019
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	%	0.104
TRANS-NEROLIDOL	0.005	%	0.005
VALENCENE	0.005	%	ND
CEDROL	0.005	%	ND
ALPHA-HUMULENE	0.005	%	0.011
ALPHA-PINENE	0.005	%	0.032
ALPHA-TERPINENE	0.005	%	ND
BETA-MYRCENE	0.005	%	0.016
BETA-PINENE	0.005	%	0.031
BORNEOL	0.01	%	ND
CAMPHENE	0.005	%	ND
CAMPHOR	0.01	%	ND
CARYOPHYLLENE OXIDE	0.005	%	0.006
ALPHA-CEDRENE	0.005	%	ND
ALPHA-BISABOLOL	0.005	%	ND
ISOPULEGOL	0.01	%	ND

Total 0.365

Terpenes	LOD	Units	Result (%)
CIS-NEROLIDOL	0.005	%	ND
3-CARENE	0.005	%	ND
FENCHYL ALCOHOL	0.005	%	ND
HEXAHYDROTHYMOL	0.005	%	0.010
EUCALYPTOL	0.005	%	0.009
ISOBORNEOL	0.005	%	ND



Terpenes

TESTED

Analyzed by 18 Weight 0.987g Extraction date 09/03/20 09:09:29 Extracted By 18

Analysis Method -SOP.T.40.090

Analytical Batch -M0001017TER

Reviewed On - 09/03/20 09:30:47

Instrument Used : GCMS8050 with Liquid Handler

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

Reagent	Dilution	Consums. ID
---------	----------	-------------

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