



# Certificate of Analysis

Sample: M000902022-001  
Harvest/Lot ID: 20-06-X00001  
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: 09/04/20 Expires: 09/04/21  
Sampling Method: SOP Client Method

Sep 04, 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  
**5.439%**



Total Cannabinoids  
**5.458%**

D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
ND	ND	5.439%	ND	ND	ND	ND	0.019%	ND	ND	ND
ND	ND	54.390 mg/g	ND	ND	ND	ND	0.190 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 3.0136g	Extraction date : 09/02/20 02:09:25	Extracted By : 9
Analysis Method - SOP.T.40.020, SOP.T.30.050		Reviewed On - 09/04/20 13:13:48	
Analytical Batch - M0001016POT		Instrument Used : HPLC Potency Analyzer Batch Date : 09/02/20 14:36:02	

Reagent	Dilution 40	Consums. ID
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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%

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David Greene  
Lab Director

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

  
Signature

09/04/2020

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 : M000902022-001

Harvest/LOT ID: 20-06-X00001

Batch# : N/A

Sampled : 09/01/20

Ordered : 09/01/20

Sample Size Received : 30 ml

Completed : 09/04/20 Expires: 09/04/21

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	%	0.009
LINALOOL	0.01	%	ND
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	%	0.279
TRANS-NEROLIDOL	0.005	%	0.018
VALENCENE	0.005	%	ND
CEDROL	0.005	%	ND
ALPHA-HUMULENE	0.005	%	0.031
ALPHA-PINENE	0.005	%	ND
ALPHA-TERPINENE	0.005	%	ND
BETA-MYRCENE	0.005	%	0.063
BETA-PINENE	0.005	%	ND
BORNEOL	0.01	%	ND
CAMPHENE	0.005	%	ND
CAMPHOR	0.01	%	ND
CARYOPHYLLENE OXIDE	0.005	%	0.014
ALPHA-CEDRENE	0.005	%	ND
ALPHA-BISABOLOL	0.005	%	ND
ISOPULEGOL	0.01	%	ND
<b>Total</b>		0.414	

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 0.974g Extraction date 09/03/20 09:09:21 Extracted By 18

Analysis Method -SOP.T.40.090  
Analytical Batch -M0001017TER Reviewed On - 09/03/20 09:57:39  
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.		

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