



License No. 800025015
 FL License # CMTL-0003
 CLIA No. 10D1094068

Certificate of Analysis

R&D

Lively LLC

Batch # 1001
 Batch Date: 2021-05-12
 Extracted From: Hemp

Test Reg State: Florida

Production Facility: Lively LLC
 Production Date: 2021-05-12

BLOOMINGTON, IN 47401

Order # LIV210513-010037
 Order Date: 2021-05-13
 Sample # AAB1658

Sampling Date: 2021-05-18
 Lab Batch Date: 2021-05-18
 Completion Date: 2021-05-26

Initial Gross Weight: 80.535 g
 Density: 0.973 g/ml



Product Image

Potency
 Tested

Terpenes
 Tested

Potency - 11

Specimen Weight: 119.220 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/ml)	(%)
CBD	1000.000	0.000054	0.001	55.237	5.677
CBG	1000.000	0.000248	0.001	11.666	1.199
Delta-9 THC	1000.000	0.000013	0.001	1.304	0.134
THCV	1000.000	0.000007	0.001	0.331	0.034
CBDV	1000.000	0.000065	0.001	0.253	0.026
CBC	1000.000	0.000018	0.001	0.204	0.021
Delta-8 THC	1000.000	0.000026	0.001		<LOQ
CBN	1000.000	0.000014	0.001		<LOQ
CBGA	1000.000	0.00008	0.001		<LOQ
CBDA	1000.000	0.00001	0.001		<LOQ
THCA-A	1000.000	0.000032	0.001		<LOQ

Tested
 (HPLC/LCMS)

Potency Summary

Total THC 0.134%	Total CBD 5.677%
Total CBG 1.199%	Total CBN None Detected
Other Cannabinoids 0.081%	Total Cannabinoids 7.091%

Terpenes Summary

Analyte	Result (mg/ml)	(%)
trans-Caryophyllene	0.466	0.047%

Total Terpenes: 0.047%

Detailed Terpenes Analysis is on the following page

Xueli Gao Lab Toxicologist
 Ph.D., DABT

Aixia Sun Lab Director/Principal Scientist
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%

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Certificate of Analysis

R&D

Lively LLC
2010 E NIXON DRIVE
BLOOMINGTON, IN 47401

Batch # 1001
Batch Date: 2021-05-12
Extracted From: Hemp

Test Reg State: Florida

Production Facility: Lively LLC
Production Date: 2021-05-12

Order # LIV210513-010037
Order Date: 2021-05-13
Sample # AAB1658

Sampling Date: 2021-05-18
Lab Batch Date: 2021-05-18
Completion Date: 2021-05-26

Initial Gross Weight: 80.535 g
Density: 0.973 g/ml



Terpenes - FL

Specimen Weight: 1955.870 mg

Tested
(GC/GCMS)

Dilution Factor: 2500.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.02	0.466	0.047	(+)-Cedrol	0.02	<LOQ	<LOQ
Nerol	0.02	<LOQ	<LOQ	Geraniol	0.02	<LOQ	<LOQ
Geranyl acetate	0.02	<LOQ	<LOQ	Guaiol	0.02	<LOQ	<LOQ
Hexahydrothymol	0.02	<LOQ	<LOQ	Isoborneol	0.02	<LOQ	<LOQ
Isopulegol	0.02	<LOQ	<LOQ	Linalool	0.02	<LOQ	<LOQ
Ocimene	0.014	<LOQ	<LOQ	Fenchyl Alcohol	0.02	<LOQ	<LOQ
Pulegone	0.02	<LOQ	<LOQ	Sabinene	0.02	<LOQ	<LOQ
Sabinene Hydrate	0.02	<LOQ	<LOQ	Terpineol	0.02	<LOQ	<LOQ
Terpinolene	0.02	<LOQ	<LOQ	trans-Nerolidol	0.02	<LOQ	<LOQ
Gamma-Terpinene	0.02	<LOQ	<LOQ	Fenchone	0.02	<LOQ	<LOQ
(R)-(+)-Limonene	0.02	<LOQ	<LOQ	alpha-Terpinene	0.02	<LOQ	<LOQ
3-Carene	0.02	<LOQ	<LOQ	alpha-Bisabolol	0.02	<LOQ	<LOQ
alpha-Cedrene	0.02	<LOQ	<LOQ	alpha-Humulene	0.02	<LOQ	<LOQ
alpha-Phellandrene	0.02	<LOQ	<LOQ	alpha-Pinene	0.02	<LOQ	<LOQ
Farnesene	0.02	<LOQ	<LOQ	beta-Myrcene	0.02	<LOQ	<LOQ
beta-Pinene	0.02	<LOQ	<LOQ	Borneol	0.04	<LOQ	<LOQ
Camphene	0.02	<LOQ	<LOQ	Camphors	0.04	<LOQ	<LOQ
Caryophyllene oxide	0.02	<LOQ	<LOQ	cis-Nerolidol	0.02	<LOQ	<LOQ
Eucalyptol	0.02	<LOQ	<LOQ	Valencene	0.02	<LOQ	<LOQ

Total Terpenes: 0.047%

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Certificate of Analysis

Compliance Test

Lively LLC

Batch # 1005
Batch Date: 2021-09-07
Extracted From: Hemp

Test Reg State: Florida

BLOOMINGTON, IN 47403

Order # LIV210914-010005
Order Date: 2021-09-14
Sample # AABX198

Sampling Date: 2021-09-20
Lab Batch Date: 2021-09-20
Completion Date: 2021-10-01

Initial Gross Weight: 26.067 g
Net Weight: 20.741 g

Number of Units: 1
Net Weight per Unit: 1034.684 mg



Product Image

Potency
Tested

Water Activity
Tested



Delta 8/Delta 10 Potency

12

Specimen Weight: 1502.600 mg

Tested
(LCUV)



Potency Summary

Total Delta 8 1.357%	14.041 mg	Total Delta 10 None Detected	
Total THC None Detected		Total CBD	1.800 mg
Total CBG 0.123%	1.273 mg	Total CBN	0.021 mg
Other Cannabinoids None Detected		Total Cannabinoids	17.124 mg

Pieces For Panel: 20

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	0.000026	0.001	13.570	1.357
CBD	10.000	0.000054	0.001	1.740	0.174
CBG	10.000	0.000248	0.001	1.214	0.121
CBN	10.000	0.000014	0.001	0.018	0.002
CBGA	10.000	0.000008	0.001	0.013	0.001
CBC	10.000	0.000018	0.001	<LOQ	<LOQ
Delta-9 THC	10.000	0.000013	0.001	<LOQ	<LOQ
Delta-10 THC	1000.000	0.000003	0.001	<LOQ	<LOQ
THCV	10.000	0.000007	0.001	<LOQ	<LOQ
THCA-A	10.000	0.000032	0.001	<LOQ	<LOQ
CBDV	10.000	0.000065	0.001	<LOQ	<LOQ
CBDA	10.000	0.00001	0.001	<LOQ	<LOQ

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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Lab Director/Principal Scientist



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BLOOMINGTON, IN 47403

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Completion Date: 2021-10-01

Initial Gross Weight: 26.067 g
Net Weight: 20.741 g

Number of Units: 1
Net Weight per Unit: 1034.684 mg



Water Activity

Specimen Weight: 0.500 g

Tested
(Water Activity Analyzer)

Pieces For Panel: 20 Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.709

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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