



DEA No. RA0571996
 FL License # CMTL-0003
 CLIA No. 10D1094068

Certificate of Analysis

R&D

TATT LLC
 218 EVERGREEN DR.
 LENA, IL 61048

Batch # 1 Max CBD CBG THC
 Batch Date: 2022-10-28
 Extracted From: Hemp

Test Reg State: Florida

Order # TAT221028-050001
 Order Date: 2022-10-28
 Sample # AADQ765

Sampling Date: 2022-11-01
 Lab Batch Date: 2022-11-01
 Completion Date: 2022-11-04

Initial Gross Weight: 5.550 g



Potency
 Tested

Terpenes
 Tested

Flavonoids
 Tested

Product Image

Potency 10 **Tested**
 Specimen Weight: 47.120 mg SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	100.000	3.20E-5	0.0015	226.9400	22.6940
Delta-9 THC	100.000	1.30E-5	0.0015	180.9400	18.0940
CBDA	100.000	1.00E-5	0.0015	129.9100	12.9910
CBGA	100.000	8.00E-5	0.0015	36.3000	3.6300
CBD	100.000	5.40E-5	0.0015	27.9500	2.7950
CBG	100.000	2.48E-4	0.0015	9.0600	0.9060
CBC	100.000	1.80E-5	0.0015	4.8300	0.4830
CBN	100.000	1.40E-5	0.0015	1.8200	0.1820
THCV	100.000	7.00E-6	0.0015	1.4300	0.1430
CBDV	100.000	6.50E-5	0.0015	<LOQ	<LOQ

Potency Summary

Total Active THC 37.997%	Total Active CBD 14.188%
Total CBG 4.090%	Total CBN 0.182%
Other Cannabinoids 0.626%	Total Cannabinoids 57.082%

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	10.665	1.066%
alpha-Pinene	7.029	0.703%
beta-Myrcene	6.783	0.678%
alpha-Humulene	3.779	0.378%
alpha-Bisabolol	2.403	0.24%
Guaiol	2.329	0.233%
beta-Pinene	1.582	0.158%
Caryophyllene oxide	1.289	0.129%
(R)-(+)-Limonene	0.878	0.088%
Ocimene	0.339	0.034%

Total Terpenes: 3.707%

Detailed Terpenes Analysis is on the following page

Flavonoids Summary

Analyte	Result (ppm)
beta sitosterol	5497
Cannflavin A	700.4
Cannflavin B	464.7
Cannflavin C	289.5
Wogonin	6.233

Total Flavonoids: 6957.833ppm

Detailed Flavonoids Analysis is on one of the following pages

Xueli Gao
 Ph.D., DABT
 Lab Toxicologist

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



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Terpenes

Specimen Weight: 47.120 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	10.665	1.066	Eucalyptol	0.002	<LOQ	
alpha-Pinene	0.002	7.029	0.703	Farnesene	0.002	<LOQ	
beta-Myrcene	0.002	6.783	0.678	Fenchone	0.002	<LOQ	
alpha-Humulene	0.002	3.779	0.378	Fenchyl Alcohol	0.002	<LOQ	
alpha-Bisabolol	0.002	2.403	0.240	Gamma-Terpinene	0.002	<LOQ	
Guaiol	0.002	2.329	0.233	Geraniol	0.002	<LOQ	
beta-Pinene	0.002	1.582	0.158	Geranyl acetate	0.002	<LOQ	
Caryophyllene oxide	0.002	1.289	0.129	Hexahydrothymol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	0.878	0.088	Isobomeol	0.002	<LOQ	
Ocimene	0.00033	0.339	0.034	Isopulegol	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Linalool	0.002	<LOQ	
3-Carene	0.002	<LOQ		Nerol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Sabinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Bomeol	0.004	<LOQ		Terpinolene	0.002	<LOQ	
Camphene	0.002	<LOQ		Total Terpeneol	0.00126	<LOQ	
Camphors	0.006	<LOQ		trans-Nerolidol	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Valencene	0.002	<LOQ	

Total Terpenes: 3.707%

Tested

SOP13.045 (GC/GCMS)



Flavonoids

Specimen Weight: 20.400 mg

Dilution Factor: 10.000

Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)	Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)
Apigenin	0.100	4	<LOQ	Kaempferol	0.100	1	<LOQ
Baicalin	0.100	8	<LOQ	Luteolin	0.100	2.5	<LOQ
beta sitosterol	10.000	5	5497.000	Orientin	0.100	5	<LOQ
Cannflavin A	1.000	3.91	700.400	Pelargonidin-3-O-glucoside	0.100	11.56	<LOQ
Cannflavin B	1.000	4.84	464.700	Quercetin	0.100	2.23	<LOQ
Cannflavin C	1.000	2.36	289.500	Rutin	0.100	7.81	<LOQ
Chrysin	0.100	2.5	<LOQ	Vitexin	0.100	4	<LOQ
Fisetin	0.100	5	<LOQ	Wogonin	0.100	0.5	6.233

Tested

SOP13.011 (LCMS)

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)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = THC + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THC + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, 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 = +/- 10%

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