

CERTIFICATE OF ANALYSIS

Order Type: Cannabis
Order ID: OR2019-5459

Customer ID: 1493
Customer Name: Matt Dinger

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Lemon Tree
Sample Date: 11/19/2019

Lab ID: SA2019-17405
Date Received: 11/19/2019

Sample Matrix: Flower
Date Completed: 11/19/2019

Remarks:

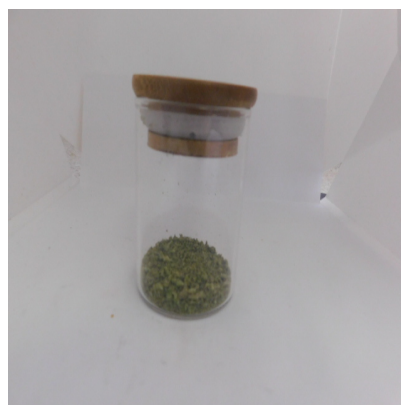
CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 11/19/2019 1355
Analyst: OL

Method: 2019-10-18T20:36:50Z
Instrument: Agilent 1100

Moisture Content (%): 10.7
Water Activity (aw): -

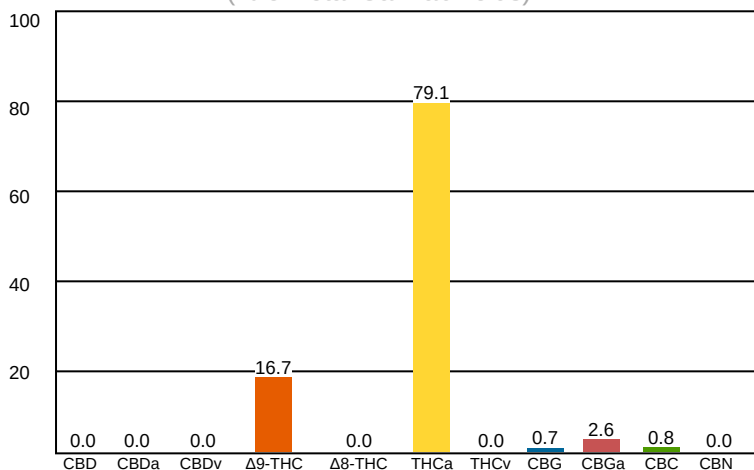
Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	-	-	0.0508	-	-
CBDa	-	-	0.0508	-	-
CBDv	-	-	0.0508	-	-
Δ9-THC	2.92	29.2	0.0508	-	29
Δ8-THC	-	-	0.0508	-	-
THCa	13.8	138	0.0508	-	138
THCv	-	-	0.0508	-	-
CBC	0.147	1.47	0.0508	-	1.47
CBG	0.122	1.22	0.0508	-	1.22
CBGa	0.461	4.61	0.0508	-	5
CBN	-	-	0.0508	-	-
TOTAL	17.5	175			175
TOTAL THC	15	150			150
TOTAL CBD	-	-			-



UNIT MASS (g): 1

"-" Not detected above RL.

Cannabinoid Distribution (% of Total Cannabinoids)



Deviations from standard operating procedure: None

Recoveries for all analyte standards: 90-110%
Replicate Uncertainties: <5% RSD, <20% RPD
Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total THC = (THCa x 0.877) + Δ9-THC
Total CBD = (CBDa x 0.877) + CBD

Percentage results are reported by mass.
mg/g results are reported as mass component per mass material.

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

John K. Irvin
John K. Irvin, M.S.
Laboratory Director (Tulsa)

CERTIFICATE OF ANALYSIS

Order Type: Cannabis
Order ID: OR2019-5459

Customer ID: 1493
Customer Name: Matt Dinger

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Lemon Tree
Sample Date: 11/19/2019

Lab ID: SA2019-17405
Date Received: 11/19/2019

Sample Matrix: Flower
Date Completed: 11/19/2019

Remarks:

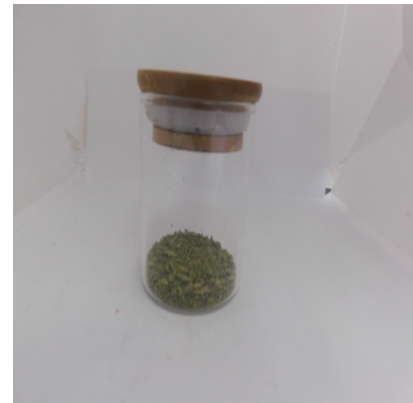
TERPENOID PROFILE

Analysis Date/Time: 11/19/2019 1355
Analyst: OL

Method: HS/GC/FID (Internal Method-002)
Instrument: Agilent 6890

Deviations from SOP:
None

<u>Terpene</u>	<u>Result</u> <u>(µg/g)</u>	<u>Result</u> <u>(%)</u>	
α-Bisabolol	2034	0.203	■
Camphene	-	-	
δ-3-Carene	-	-	
β-Caryophyllene	4000	0.4	■
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	-	-	
Geraniol	1158	0.116	■
Guaiol	-	-	
α-Humulene	1114	0.111	■
Isopulegol	-	-	
d-Limonene	-	-	
Linalool	1160	0.116	■
β-Myrcene	1144	0.114	■
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	-	-	
α-Pinene	730	0.073	■
β-Pinene	366	0.0366	■
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	-	-	
TOTAL	11706	1.17	



Abbreviations: HS - Headspace, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

This information is provided as a service and makes no claims of efficacy and/or safety of this product.

Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.

This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

"-" Not detected above RL.

Reporting Limit (µg/g): 2

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Felling Analytical Services and Technology (F.A.S.T.), LLC

John K. Irvin, M.S.
Laboratory Director (Tulsa)