

Certificate of Analysis

This sample has been tested according to OAR 333-0007.



Certificate Number: 4093 Effective Date: 9/2/2016

Strain: Clementine

1 of 3

Ananda Farms

Sample: C06120

Batch#: 1192, 1188; Batch Size: 8081 - grams

Sample Received: 11/09/2017; Report Created: 11/16/2017; Expires: 11/16/2018

Lic. #100019879F7

Williams, OR 97544

Potency/ Moisture-Composite

Plant, Flower - Cured

Harvest Process Lot: ; METRC Batch: 1192, 1188; METRC Sample: 1A4010300000836000001221, 1222





16.29%

Total THC

<LOC

Total CBD

Cannabinoids

171113R1-CANN 11/14/2017

Analyte	LOQ	Mass	Mass	
	mg/g	%	mg/g	
THCa	1.2	18.12	181.2	
Δ9-ΤΗС	1.2	0.40	4.0	
Δ8-ΤΗС	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBD	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBDa	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBC	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBG	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBN	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
THCV	1.2	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBGa	1.2	1.77	17.7	
Total		20.28	202.8	

Surrogate standard recovery (Acceptance criteria: 90 - 110%) 101.6%

Cannabinoids Method: HPLC using an Agilent 1100 with DAD. Deviations from standard method or conditions: None. Recoveries for all analytes: 90-110%. Recoveries for internal standard: 90 – 110%. Uncertainties (based upon replicate recoveries) < 5% RSD. Sample and reagent blanks: < LOQ for all analytes. Values for plant matter are adjusted for moisture content. Total THC = THCa * 0.877 + d9-THC, Total CBD = CBDa * 0.877 + CBD. Abbreviations: LOQ = Limit of Quantitation, DAD = Diode Array Detector, HPLC = High Pressure Liquid Chromatography, RSD = Relative Standard Deviation, NR = Not Reported. OG Analytical accreditation extends to the following analytes: THC, THCA, CBD, CBDA, and CBN.



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OLCC Marijuana Laboratory License #: 1002766BA93

Rodger Voelker, Ph.D

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11/14/2017

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Moisture Complete

7.6%

Moisture



Moisture Method: Loss on drying using Sartorius Mark 3. Deviations from standard method or conditions: None. Uncertainties: Not determined. NR = Not Reported



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Potency/ Moisture-Composite

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Terpenes

11/08/2017

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
β-Caryophyllene	0.02	6.51	0.651
Terpinolene	0.01	5.83	0.583
trans-Ocimene	0.01	2.33	0.233
β-Myrcene	0.01	1.90	0.190
α-Humulene	0.02	1.78	0.178
β-Pinene	0.01	0.67	0.067
R(+)-Limonene	0.01	0.67	0.067
α-Terpineol	0.01	0.54	0.054
cis-Ocimene	0.01	0.46	0.046
α-Phellandrene	0.01	0.39	0.039
α-Pinene	0.01	0.39	0.039
α-Bisabolol	0.04	0.37	0.037
Linalool	0.01	0.36	0.036
3-Carene	0.01	0.30	0.030
trans-Nerolidol	0.02	0.27	0.027
Caryophyllene Oxide	0.04	0.24	0.024
Fenchol	0.01	0.19	0.019
y-Terpinene	0.01	0.18	0.018
α-Terpinene	0.01	0.16	0.016
Eucalyptol	0.01	0.10	0.010
Borneol	0.01	0.08	0.008
Camphene	0.01	0.06	0.006
Fenchone	0.01	0.03	0.003
cis-Nerolidol	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Guaiol	0.04	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>

Primary Aromas





Turpentine









Pine

Terpenes Method: Static-headspace using a PerkinElmer HS40/Agilent 6890 GC/Agilent 5973 Mass Spectrometer. QA/QC: Deviations from standard method or conditions: None. Recoveries for internal standard: 80-110%. Uncertainties: Not determined. Reagent blanks: < LOQ for all analytes. Abbreviations: LOQ = Limit of Quantitation, ND = None Detected; NR = Not Reported

<LOQ

<LOQ



Isoborneol

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