

## Certificate of Analysis

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



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

1 of 3

**Ananda Farms** 

Williams, OR 97544

Sample: C06102

Strain: Pineapple Express

Batch#: 1191, 1153; Batch Size: 18.49 - grams

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

Lic. #100019879F7

### Potency, Moisture-Composite

Plant, Flower - Cured

Harvest Process Lot: ; METRC Batch: 1191, 1153; METRC Sample: 1A4010300000836000001208, 1209



**Pass** 



**15.17%** 

0.14%

Total THC

**Total CBD** 

Cannabinoids

171113R1-CANN 11/13/2017

Analyte	LOQ	Mass	Mass	
	mg/g	%	mg/g	
THCa	1.3	17.02	170.2	
Δ9-ΤΗС	1.3	0.25	2.5	
Δ8-THC	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBD	1.3	0.14	1.4	
CBDa	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBC	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBG	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBN	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
THCV	1.3	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
CBGa	1.3	1.11	11.1	
Total		18.52	185.2	

Surrogate standard recovery (Acceptance criteria: 90 - 110%) 96.7%

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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Rodger Voelker, Ph.D

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2 of 3

**Ananda Farms** 

Williams, OR 97544

Strain: Pineapple Express

**Sample: C06102** 

Batch#: 1191, 1153; Batch Size: 18.49 - grams

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

Lic. #100019879F7

#### Potency, Moisture-Composite

Plant, Flower - Cured

11/13/2017

Harvest Process Lot: ; METRC Batch: 1191, 1153; METRC Sample: 1A4010300000836000001208, 1209



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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#### **Ananda Farms**

Williams, OR 97544

Strain: Pineapple Express

Batch#: 1191, 1153; Batch Size: 18.49 - grams

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

Lic. #100019879F7

### Potency, Moisture-Composite

Plant, Flower - Cured

Harvest Process Lot: ; METRC Batch: 1191, 1153; METRC Sample: 1A4010300000836000001208, 1209



#### **Terpenes**

1/1113 11/08/2017

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
β-Caryophyllene	0.03	8.85	0.885
R(+)-Limonene	0.02	3.59	0.359
α-Humulene	0.03	3.30	0.330
β-Myrcene	0.02	2.13	0.213
α-Bisabolol	0.06	0.87	0.087
Guaiol	0.06	0.77	0.077
Fenchol	0.02	0.58	0.058
Linalool	0.02	0.56	0.056
α-Terpineol	0.02	0.47	0.047
trans-Nerolidol	0.03	0.44	0.044
β-Pinene	0.02	0.43	0.043
Caryophyllene Oxide	0.06	0.32	0.032
α-Pinene	0.02	0.26	0.026
Eucalyptol	0.02	0.15	0.015
Camphene	0.02	0.14	0.014
Borneol	0.02	0.11	0.011
y-Terpinene	0.02	0.06	0.006
Terpinolene	0.02	0.05	0.005
Fenchone	0.02	0.04	0.004
3-Carene	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
α-Phellandrene	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
α-Terpinene	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
cis-Nerolidol	0.03	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
cis-Ocimene	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Isoborneol	0.02	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>

0.02

### **Primary Aromas**













Chamomile



Wood

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



trans-Ocimene

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