

Certificate number 4093 Effective date 9/2/2016 1 of 4

This sample has been tested according to OAR 333-007.

Sample: C01544 **Ananda Farms** 

> Strain: Harlequin Batch #: Indirectly represented by C01545; Batch Size: 3445 - grams

Ordered: 03/20/2017; Sampled: 03/21/2017; Completed: 04/04/2017; Expires: 04/04/2018

#### Harlequin

Williams, OR 97544

Lic. # 100019879F7

Plant, Flower - Cured, Outdoor

Harvest Process Lot: ; METRC Batch: 1A4010300000836000000668; METRC Sample: 1A4010300000836000000677





4.9%

**Total THC** 

10.0%

Total CBD

**Cannabinioids Pass** 

Analyte	LOQ	Mass	Mass	
	mg/g	%	mg/g	
THCa	1	4.8	48	
Δ9-ΤΗС	1	0.7	7	
CBDa	1	10.8	108	
CBD	1	0.6	6	
CBN	1	<0.1	<1	
Total		16.9	169	

Surrogate standard recovery (Acceptance criteria: 90 - 110%)102.2%

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03/28/2017 00:00:00

170327-CANN

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.

2412 W 11th Ave. Eugene, OR 97402 (541) 735-3328 http://www.oganalytical.com

Rodger Voelker, Ph.D

Lab Director

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#### Moisture

7.9%

Moisture



03/28/2017 00:00:00

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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Water Activity **Pass** 

0.487

Water Activity



170327-CANN 03/28/2017 00:00:00

Water Activity Method: Chilled mirror dewpoint using Decagon AquaLab 3TE. Deviations from standard method or conditions: None. Uncertainties: ±0.003 aw. NR = Not Reported



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#### **Terpenes**

Analyte	LOQ	Mass	Mass	
	mg/g	mg/g	%	
B-Myrcene	0.01	10.51	1.051	
B-Caryophyllene	0.02	2.99	0.299	
α-Pinene	0.01	1.84	0.184	
trans-Ocimene	0.01	1.24	0.124	
R(+)-Limonene	0.01	1.09	0.109	
α-Humulene	0.02	0.97	0.097	
α-Bisabolol	0.05	0.80	0.080	
B-Pinene	0.01	0.75	0.075	
Guaiol	0.05	0.59	0.059	
Linalool	0.01	0.33	0.033	
α-Terpineol	0.01	0.28	0.028	
Fenchol	0.01	0.24	0.024	
Caryophyllene Oxide	0.05	0.22	0.022	
Borneol	0.01	0.11	0.011	
Terpinolene	0.01	0.09	0.009	
Camphene	0.01	0.07	0.007	
γ-Terpinene	0.01	0.07	0.007	
Fenchone	0.01	0.05	0.005	
Eucalyptol	0.01	0.03	0.003	
3-Carene	0.01	<0.01	<0.001	
α-Terpinene	0.01	<0.01	<0.001	
Isoborneol	0.01	<0.01	<0.001	
cis-Nerolidol	0.02	< 0.02	< 0.002	
trans-Nerolidol	0.02	<0.02	<0.002	
cis-Ocimene	0.01	<0.01	<0.001	
α-Phellandrene	0.01	< 0.01	< 0.001	











Terpenes Method: Static-headspace using a PerkinElmer HS40/Agillent 6890 GC/Agillent 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



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