

## Dr.Ganja Hawaiian Haze 4

Sample ID: 1911CSALA0169.4181

Strain: Hawaiian Haze 4

Matrix: Plant

Type: Flower - Cured

Sample Size: 3 grams

Batch Size:

Harvested: N/A

Collected: 11/12/2019

Received: 11/12/2019

Completed: 11/15/2019

Batch#: N111219AJ

Client

**Dr.Ganja**

Lic. #

9190 W. Olympic Blvd

Beverly Hills, CA 90212



**0.60%**

Total THC

**19.32%**

Total CBD


**23.27%**

Total Cannabinoids

### Cannabinoids

Testing method: HPLC-SOP 101

Pass

Analyte	LOD	LOQ	Mass	Mass	
	%	%	%	mg/g	
CBDa	0.00002	0.0001	21.62	216.21	
THCa	0.00002	0.0001	0.68	6.81	
CBGa	0.00002	0.0001	0.49	4.86	
CBD	0.00004	0.0001	0.36	3.64	
CBG	0.00004	0.0001	0.08	0.79	
CBC	0.00001	0.0001	0.04	0.44	
CBDV	0.00001	0.0001	ND	ND	
CBN	0.00002	0.0001	ND	ND	
THCV	0.00004	0.0001	ND	ND	
Δ8-THC	0.00004	0.0001	ND	ND	
Δ9-THC	0.00004	0.0001	ND	ND	
<b>Total</b>			<b>23.27</b>	<b>232.74</b>	

Date Tested: 11/15/2019

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;

**7.6%**

Moisture

Moisture Analyzer SOP-103

Date Tested: 11/14/2019


 ISO / IEC 17025:2017 ACCREDITED LABORATORY  
 Accreditation No. 73653



 Mallory Speakman  
 Laboratory Director - LA  
 11/15/2019



 Anya Engen  
 Quality Review  
 11/15/2019



 Amanda Bravo  
 COA Review  
 11/15/2019

# CERTIFICATE OF ANALYSIS

Sample Name: Dr.Ganja Hawaiian Haze 4  
 Steep Hill ID: BK77011  
 Batch ID: N111219AJ  
 Sample Type: Flower  
 Date Received: 11/14/2019

Customer: Dr.Ganja

**Terpenoid Results - Extended Terpenes**
**12/2/2019**

Extended terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069)

Analyte	%	mg/g	LOD mg/g	LOQ mg/g	Analyte	%	mg/g	LOD mg/g	LOQ mg/g
$\alpha$ -Bisabolol	0.0166	0.166	0.0046	0.153	Linalool	0.031	0.31	0.00186	0.153
endo-Borneol	< LOQ	< LOQ	0.00035	0.173	Menthol	ND	ND	0.0031	0.153
Camphene	< LOQ	< LOQ	0.00060	0.153	$\beta$ -Myrcene	2.3	23	0.00196	0.153
Camphor	ND	ND	0.00130	0.33	Nerol	ND	ND	0.0126	0.153
3-Carene	ND	ND	0.00061	0.153	cis-Nerolidol	ND	ND	0.0085	0.153
Caryophyllene Oxide	< LOQ	< LOQ	0.00140	0.153	trans-Nerolidol	ND	ND	0.0119	0.153
$\beta$ -Caryophyllene	0.32	3.2	0.0050	0.153	cis- $\beta$ -Ocimene	0.056	0.56	0.0027	0.115
$\alpha$ -Cedrene	ND	ND	0.0022	0.173	trans- $\beta$ -Ocimene	ND	ND	0.0031	0.058
Cedrol	ND	ND	0.0081	0.153	$\alpha$ -Phellandrene	ND	ND	0.00179	0.153
Citronellol	ND	ND	0.0162	0.153	Phytol 1	ND	ND	0.0033	0.058
Eucalyptol	ND	ND	0.0031	0.153	Phytol 2	ND	ND	0.0038	0.096
$\alpha$ -Farnesene	ND	ND	0.022	0.053	$\alpha$ -Pinene	0.22	2.2	0.00051	0.173
$\beta$ -Farnesene	0.024	0.24	0.0077	0.192	$\beta$ -Pinene	0.090	0.90	0.00038	0.153
Fenchol	0.0190	0.190	0.00122	0.173	Pulegone	ND	ND	0.0044	0.153
Fenchone	ND	ND	0.00076	0.153	Sabinene	ND	ND	0.00036	0.153
Geraniol	ND	ND	0.024	0.153	Sabinene Hydrate	ND	ND	0.0034	0.153
Geranyl Acetate	ND	ND	0.0068	0.25	$\alpha$ -Terpinene	ND	ND	0.00079	0.173
Guaiol	0.037	0.37	0.0039	0.173	$\gamma$ -Terpinene	< LOQ	< LOQ	0.00084	0.153
$\alpha$ -Humulene	0.069	0.69	0.00078	0.153	$\alpha$ -Terpineol	0.024	0.24	0.0034	0.153
Isoborneol	ND	ND	0.00078	0.153	Terpinolene	0.040	0.40	0.00135	0.173
Isopulegol	ND	ND	0.0069	0.153	Valencene	ND	ND	0.0065	0.153
Limonene	0.109	1.09	0.00086	0.153	Total	3.4	34		

ND: Not Detected NT: Not Tested LOQ: Limit of Quantitation LOD: Limit of Detection



Travis Ruthenburg  
 Chief Science Officer  
 Date: 12/2/2019

The following results relate only to the samples tested and for the specific tests conducted. Steep Hill grants permission to reproduce this document in full only.

**DR. GANJA HAWAIIAN HAZE 4**

<b>Batch ID:</b>	N111219AJ	<b>Test ID:</b>	3050703.0035
<b>Reported:</b>	20-Nov-2019	<b>Method:</b>	TM16
<b>Type:</b>	Plant		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2427	ND*	Malathion	315 - 2427	ND*
Acetamiprid	52 - 2427	ND*	Metalaxyl	315 - 2427	ND*
Avermectin	315 - 2427	ND*	Methiocarb	52 - 2427	ND*
Azoxystrobin	52 - 2427	ND*	Methomyl	52 - 2427	ND*
Bifenazate	315 - 2427	ND*	MGK 264 1	315 - 2427	ND*
Boscalid	315 - 2427	ND*	MGK 264 2	315 - 2427	ND*
Carbaryl	52 - 2427	ND*	Myclobutanil	52 - 2427	ND*
Carbofuran	52 - 2427	ND*	Naled	315 - 2427	ND*
Chlorantraniliprole	315 - 2427	ND*	Oxamyl	52 - 2427	ND*
Chlorpyrifos	315 - 2427	ND*	Paclobutrazol	52 - 2427	ND*
Clofentezine	315 - 2427	ND*	Permethrin	315 - 2427	ND*
Diazinon	315 - 2427	ND*	Phosmet	315 - 2427	ND*
Dichlorvos	315 - 2427	ND*	Prophos	315 - 2427	ND*
Dimethoate	52 - 2427	ND*	Propoxur	52 - 2427	ND*
E-Fenproximate	315 - 2427	ND*	Pyridaben	52 - 2427	ND*
Etofenprox	52 - 2427	ND*	Spinosad A	52 - 2427	ND*
Etoxazole	52 - 2427	ND*	Spinosad D	52 - 2427	ND*
Fenoxycarb	315 - 2427	ND*	Spiromesifen	52 - 2427	ND*
Fipronil	315 - 2427	ND*	Spirotetramat	315 - 2427	ND*
Flonicamid	52 - 2427	ND*	Spiroxamine 1	52 - 2427	ND*
Fludioxonil	315 - 2427	ND*	Spiroxamine 2	52 - 2427	ND*
Hexythiazox	315 - 2427	ND*	Tebuconazole	315 - 2427	ND*
Imazalil	52 - 2427	ND*	Thiacloprid	52 - 2427	ND*
Imidacloprid	52 - 2427	ND*	Thiamethoxam	52 - 2427	ND*
Kresoxim-methyl	315 - 2427	ND*	Trifloxystrobin	52 - 2427	ND*


\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

**FINAL APPROVAL**

  
 Alex Smith  
 20-Nov-2019  
 7:52 AM

PREPARED BY / DATE

  
 David Green  
 20-Nov-2019  
 8:11 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

# CERTIFICATE OF ANALYSIS

Sample Name: Dr.Ganja Hawaiian Haze 4  
Steep Hill ID: BK77011  
Batch ID: N111219AJ  
Sample Type: Flower  
Date Received: 11/14/2019

Customer: Dr.Ganja

## Microbial Impurities Results

11/16/2019

Microbiological screening utilizing Pathogen Dx. (PDX; SOP-076)

Analyte	Result	Limit	LOQ
Aspergillus flavus	ND	ND	Not Detected in 1 gram
Aspergillus fumigatus	ND	ND	Not Detected in 1 gram
Aspergillus niger	ND	ND	Not Detected in 1 gram
Aspergillus terreus	ND	ND	Not Detected in 1 gram
E. coli (STEC)	ND	ND	Not Detected in 1 gram
Salmonella	ND	ND	Not Detected in 1 gram

ND: Not Detected NT: Not Tested LOQ: Limit of Quantitation LOD: Limit of Detection



Travis Ruthenburg  
Chief Science Officer  
Date: 11/16/2019

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CERTIFICATE #: BK77011  
REVISION #: BK77011.1

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# CERTIFICATE OF ANALYSIS

Sample Name: Dr.Ganja Hawaiian Haze 4  
Steep Hill ID: BK77011  
Batch ID: N111219AJ  
Sample Type: Flower  
Date Received: 11/14/2019

Customer: Dr.Ganja

## Mycotoxin Results

11/15/2019

Mycotoxin analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070) - **Limit units: µg/kg**

Analyte	µg/kg	Limit	LOD µg/kg	LOQ µg/kg
Aflatoxin B1	ND		1.07	3.6
Aflatoxin B2	ND		1.07	3.6
Aflatoxin G1	ND		1.07	3.6
Aflatoxin G2	ND		1.07	3.6
Ochratoxin A	ND	20	5.0	16.7
Total Aflatoxins	ND	20	1.07	3.6

ND: Not Detected NT: Not Tested LOQ: Limit of Quantitation LOD: Limit of Detection



Travis Ruthenburg  
Chief Science Officer  
Date: 11/15/2019

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## DR. GANJA HAWAIIAN HAZE 4

<b>Batch ID:</b>	N111219AJ	<b>Test ID:</b>	T000034367
<b>Reported:</b>	25-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Plant		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	0.09
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

Alex Smith  
25-Nov-2019  
2:00 PM

PREPARED BY / DATE

David Green  
25-Nov-2019  
2:35 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.