

Dr. Ganja Cherry Abacus

Sample ID: 1912CSALA1213.7686

Strain: Dr. Ganja Cherry Abacus

Matrix: Plant

Type: Flower - Cured

Sample Size: 6 grams

Batch Size:

Batch#: D120919AP

Harvested: N/A

Collected: 12/09/2019

Received: 12/09/2019

Completed: 12/12/2019

Client

Dr.Ganja

Lic. #

9190 W. Olympic Blvd

Beverly Hills, CA 90212



0.56%

Total THC

18.26%

Total CBD

21.76%

Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Pass

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
CBDa	0.00002	0.0001	20.38	203.76
THCa	0.00002	0.0001	0.64	6.36
CBD	0.00004	0.0001	0.39	3.90
CBGa	0.00002	0.0001	0.25	2.53
CBG	0.00004	0.0001	0.07	0.70
CBC	0.00001	0.0001	0.03	0.35
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
Total			21.76	217.59

Date Tested: 12/11/2019

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;

10.2%

Moisture

Moisture Analyzer SOP-103

Date Tested: 12/10/2019


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



 Mallory Speakman
 Laboratory Director - LA
 12/12/2019



 Anya Engen
 Quality Review
 12/12/2019



 Musa Aman
 COA Review
 12/12/2019

CERTIFICATE OF ANALYSIS

Sample Name: Dr.Ganja Cherry Abacus
 Steep Hill ID: BK78229
 Batch ID: D120919AP
 Sample Type: Flower
 Date Received: 12/9/2019

Customer: Dr.Ganja

Terpenoid Results - Extended Terpenes
12/13/2019

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
α-Bisabolol	0.069	0.69	0.0046	0.154	Linalool	< LOQ	< LOQ	0.00187	0.154
endo-Borneol	< LOQ	< LOQ	0.00035	0.173	Menthol	ND	ND	0.0031	0.154
Camphene	ND	ND	0.00060	0.154	β-Myrcene	1.74	17.4	0.00197	0.154
Camphor	ND	ND	0.00131	0.33	Nerol	ND	ND	0.0127	0.154
3-Carene	ND	ND	0.00061	0.154	cis-Nerolidol	ND	ND	0.0086	0.154
Caryophyllene Oxide	< LOQ	< LOQ	0.00140	0.154	trans-Nerolidol	ND	ND	0.0119	0.154
β-Caryophyllene	0.64	6.4	0.0050	0.154	cis-β-Ocimene	ND	ND	0.0028	0.116
α-Cedrene	ND	ND	0.0022	0.173	trans-β-Ocimene	ND	ND	0.0031	0.058
Cedrol	ND	ND	0.0082	0.154	α-Phellandrene	ND	ND	0.00180	0.154
Citronellol	ND	ND	0.0163	0.154	Phytol 1	ND	ND	0.0033	0.058
Eucalyptol	< LOQ	< LOQ	0.0031	0.154	Phytol 2	ND	ND	0.0038	0.096
α-Farnesene	ND	ND	0.022	0.053	α-Pinene	0.179	1.79	0.00051	0.173
β-Farnesene	ND	ND	0.0078	0.193	β-Pinene	0.051	0.51	0.00038	0.154
Fenchol	< LOQ	< LOQ	0.00122	0.173	Pulegone	ND	ND	0.0045	0.154
Fenchone	ND	ND	0.00076	0.154	Sabinene	ND	ND	0.00037	0.154
Geraniol	ND	ND	0.024	0.154	Sabinene Hydrate	ND	ND	0.0034	0.154
Geranyl Acetate	ND	ND	0.0068	0.25	α-Terpinene	ND	ND	0.00079	0.173
Guaiol	0.051	0.51	0.0040	0.173	γ-Terpinene	ND	ND	0.00085	0.154
α-Humulene	0.141	1.41	0.00078	0.154	α-Terpineol	< LOQ	< LOQ	0.0034	0.154
Isoborneol	ND	ND	0.00078	0.154	Terpinolene	ND	ND	0.00136	0.173
Isopulegol	ND	ND	0.0069	0.154	Valencene	0.0191	0.191	0.0065	0.154
Limonene	0.060	0.60	0.00086	0.154	Total	3.0	30		

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



Travis Ruthenburg
 Chief Science Officer
 Date: 12/14/2019

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 CHERRY ABACUS

Batch ID:	D120919AP	Test ID:	6371732.006
Reported:	18-Dec-2019	Method:	TM16
Type:	Plant		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	57 - 2640	ND*	Malathion	342 - 2640	ND*
Acetamiprid	57 - 2640	ND*	Metalaxyl	342 - 2640	ND*
Avermectin	342 - 2640	ND*	Methiocarb	57 - 2640	ND*
Azoxystrobin	57 - 2640	ND*	Methomyl	57 - 2640	ND*
Bifenazate	342 - 2640	ND*	MGK 264 1	342 - 2640	ND*
Boscalid	342 - 2640	ND*	MGK 264 2	342 - 2640	ND*
Carbaryl	57 - 2640	ND*	Myclobutanil	57 - 2640	ND*
Carbofuran	57 - 2640	ND*	Naled	342 - 2640	ND*
Chlorantraniliprole	342 - 2640	ND*	Oxamyl	57 - 2640	ND*
Chlorpyrifos	342 - 2640	ND*	Paclobutrazol	57 - 2640	ND*
Clofentezine	342 - 2640	ND*	Permethrin	342 - 2640	ND*
Diazinon	342 - 2640	ND*	Phosmet	342 - 2640	ND*
Dichlorvos	342 - 2640	ND*	Prophos	342 - 2640	ND*
Dimethoate	57 - 2640	ND*	Propoxur	57 - 2640	ND*
E-Fenproximate	342 - 2640	ND*	Pyridaben	57 - 2640	ND*
Etofenprox	57 - 2640	ND*	Spinosad A	57 - 2640	ND*
Etoxazole	57 - 2640	ND*	Spinosad D	57 - 2640	ND*
Fenoxycarb	342 - 2640	ND*	Spiromesifen	57 - 2640	ND*
Fipronil	342 - 2640	ND*	Spirotetramat	342 - 2640	ND*
Flonicamid	57 - 2640	ND*	Spiroxamine 1	57 - 2640	ND*
Fludioxonil	342 - 2640	ND*	Spiroxamine 2	57 - 2640	ND*
Hexythiazox	342 - 2640	ND*	Tebuconazole	342 - 2640	ND*
Imazalil	57 - 2640	ND*	Thiacloprid	57 - 2640	ND*
Imidacloprid	57 - 2640	ND*	Thiamethoxam	57 - 2640	ND*
Kresoxim-methyl	342 - 2640	ND*	Trifloxystrobin	57 - 2640	ND*

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

N/A

FINAL APPROVAL


Sam Smith
 18-Dec-2019
 9:16 AM
 PREPARED BY / DATE


David Green
 18-Dec-2019
 9:50 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 Cherry Abacus
Steep Hill ID: BK78229
Batch ID: D120919AP
Sample Type: Flower
Date Received: 12/9/2019

Customer: Dr.Ganja

Microbial Impurities Results

12/11/2019

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: 12/11/2019

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CERTIFICATE #: BK78229
REVISION #: BK78229.1

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CERTIFICATE OF ANALYSIS

Sample Name: Dr.Ganja Cherry Abacus
Steep Hill ID: BK78229
Batch ID: D120919AP
Sample Type: Flower
Date Received: 12/9/2019

Customer: Dr.Ganja

Mycotoxin Results

12/14/2019

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		1.42	4.7
Aflatoxin B2	ND		1.42	4.7
Aflatoxin G1	ND		1.42	4.7
Aflatoxin G2	ND		1.42	4.7
Ochratoxin A	ND	20	5.7	18.9
Total Aflatoxins	ND	20	1.42	4.7

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



Travis Ruthenburg
Chief Science Officer
Date: 12/14/2019

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 Cherry Abacus

Sample ID: 1912CSALA1204.7658

Strain: Dr.Ganja Cherry Abacus

Matrix: Plant

Type: Flower - Cured

Sample Size: 6 grams

Batch Size:

Batch#: D120919AP

Harvested: N/A

Collected: 12/09/2019

Received: 12/09/2019

Completed: 12/12/2019

Client

Dr.Ganja

Lic. #

9190 W. Olympic Blvd

Beverly Hills, CA 90212

Nutrient Analysis

Testing method: ICPMS-SOP 501

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Aluminum	0.001	0.01		46.075	Tested
Arsenic	0.001	0.01		0.015	Tested
Barium	0.001	0.01		11.427	Tested
Boron	0.001	0.01		144.678	Tested
Cadmium	0.001	0.01		0.082	Tested
Calcium	0.001	0.01		2776.012	Tested
Chromium	0.001	0.01		0.053	Tested
Cobalt	0.001	0.01		0.077	Tested
Copper	0.001	0.01		27.063	Tested
Iron	0.001	0.01		190.374	Tested
Lead	0.001	0.01		0.081	Tested
Lithium	0.001	0.01		0.056	Tested
Magnesium	0.001	0.01		4731.924	Tested
Manganese	0.001	0.01		208.311	Tested
Mercury	0.001	0.01		<LOQ	Tested
Molybdenum	0.001	0.01		0.220	Tested
Nickel	0.001	0.01		0.681	Tested
Phosphorus	0.001	0.01		7331.188	Tested
Potassium	0.001	0.01		35473.171	Tested
Selenium	0.001	0.01		0.032	Tested
Silver	0.001	0.01		<LOQ	Tested
Sodium	0.001	0.01		391.270	Tested
Strontium	0.001	0.01		74.970	Tested
Sulfur	0.001	0.01		ND	Tested
Tin	0.001	0.01		1.304	Tested
Vanadium	0.001	0.01		0.040	Tested
Zinc	0.001	0.01		81.988	Tested

Date Tested: 12/12/2019

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 Accreditation No. 73653

 Mallory Speakman
 Laboratory Director - LA
 12/12/2019

 Anya Engen
 Quality Review
 12/12/2019

 Amanda Bravo
 COA Review
 12/12/2019