



Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 48.497%

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 54.20%

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8 -THC + CBL + CBN

TOTAL CBG: 1.813%

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: 2.31%

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 0.115%

Total CBDV (CBDV+0.877* CBDVa)

CANNABINOID TEST RESULTS - 11/26/2022

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.07 / 0.29	±17.311	480.87	48.087
CBC	0.2 / 0.5	±0.53	23.1	2.31
CBG	0.06 / 0.19	±0.557	18.13	1.813
CBN	0.1 / 0.3	±0.49	9.6	0.96
CBL	0.06 / 0.24	±0.136	5.03	0.503
CBDA	0.02 / 0.19	±0.107	4.68	0.468
CBDV	0.04 / 0.15	±0.039	1.15	0.115
Δ^9 -THC	0.06 / 0.26	N/A	ND	ND
Δ^8 -THC	0.1 / 0.4	N/A	ND	ND
THCa	0.05 / 0.14	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
THCVa	0.07 / 0.20	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
SUM OF CANNABINOIDS			542.6 mg/g	54.26%

Prepared for:
THE HEMP MINE, LLC


181 ISBELL RD
FAIRPLAY, SC 29643

FP-102822-PeachGoliath

Batch ID or Lot Number: 320756	Test: Heavy Metals	Reported: 03Nov2022	USDA License: NA
Matrix: Concentrate	Test ID: T000226243	Started: 02Nov2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 31Oct2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.17	ND	
Cadmium	0.04 - 4.21	ND	
Mercury	0.04 - 4.14	ND	
Lead	0.04 - 4.02	ND	

Final Approval



Sam Smith
03Nov2022
09:29:00 AM MDT

PREPARED BY / DATE



Phillip Travisano
03Nov2022
10:09:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/cc1781bc-47a3-481c-aa36-c6a81ce57e8b>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

cc1781bc47a3481caa36c6a81ce57e8b.1

Prepared for:
THE HEMP MINE, LLC

181 ISBELL RD
FAIRPLAY, SC 29643

FP-102822-PeachGoliath

Batch ID or Lot Number: 320756	Test: Microbial Contaminants	Reported: 04Nov2022	USDA License: NA
Matrix: Concentrate	Test ID: T000226242	Started: 01Nov2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 31Oct2022	Status: NA

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brett Hudson
04Nov2022
04:52:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
04Nov2022
04:58:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/8c2505f3-958d-4f0f-a936-2e6e44fbfab6>

Definitions

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02
8c2505f3958d4f0fa9362e6e44fbfab6.1

Prepared for:
THE HEMP MINE, LLC

181 ISBELL RD
FAIRPLAY, SC 29643

FP-102822-PeachGoliath

Batch ID or Lot Number: 320756	Test: Mycotoxins	Reported: 09Nov2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000226245	Started: 08Nov2022	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 31Oct2022	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.93 - 130.01	ND	N/A
Aflatoxin B1	0.93 - 32.30	ND	
Aflatoxin B2	0.93 - 32.53	ND	
Aflatoxin G1	1.00 - 32.69	ND	
Aflatoxin G2	1.03 - 33.07	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
09Nov2022
07:30:00 AM MST

PREPARED BY / DATE


Karen Winternheimer
09Nov2022
07:36:00 AM MST

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/64931611-0ddd-445f-aa5a-a5f1cd1933a7>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02
649316110ddd445faa5aa5f1cd1933a7.2

Prepared for:
THE HEMP MINE, LLC


181 ISBELL RD
FAIRPLAY, SC 29643


FP-102822-PeachGoliath

Batch ID or Lot Number: 320756	Test: Residual Solvents	Reported: 04Nov2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000226244	Started: 04Nov2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 31Oct2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	72 - 1444	ND	
Butanes (Isobutane, n-Butane)	146 - 2920	ND	
Methanol	52 - 1036	ND	
Pentane	83 - 1650	ND	
Ethanol	80 - 1608	ND	
Acetone	84 - 1673	ND	
Isopropyl Alcohol	87 - 1741	ND	
Hexane	5 - 100	ND	
Ethyl Acetate	86 - 1711	ND	
Benzene	0.2 - 3.4	ND	
Heptanes	87 - 1745	ND	
Toluene	15 - 300	ND	
Xylenes (m,p,o-Xylenes)	111 - 2221	ND	

Final Approval


Sam Smith
04Nov2022
02:01:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
04Nov2022
02:07:00 PM MDT
APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/d4160a11-8c8c-4f4f-9760-6ab2cd5b50e7>

Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02
d4160a118c8c4f4f97606ab2cd5b50e7.1