



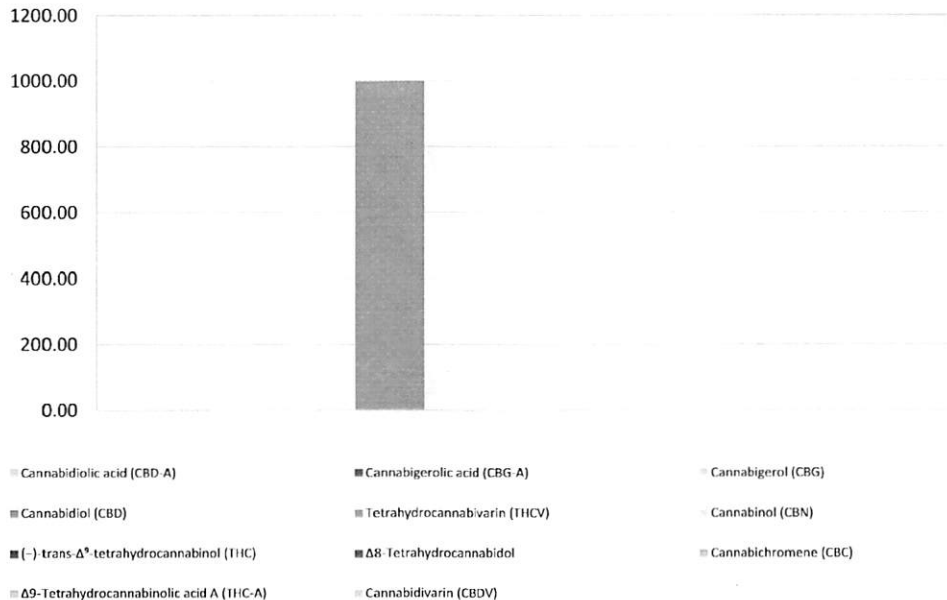
Cannabinoid Profile

Customer: Balanced Health Botanicals
Customer Sample ID: CBD Powder 2219059D2
Laboratory Number: 201903-1452RE
Extraction Technician: GB
Analytical Chemist: GB

Extraction Date(s)	Analysis Date(s)
4/1/2019	4/1/2019

Cannabinoid (HPLC)		Results	
	LOD (mg/g)	Percent	mg/g
Cannabidivarin (CBDV)	<0.2		
Cannabidiolic acid (CBD-A)	<0.2		
Cannabigerolic acid (CBG-A)	<0.2		
Cannabigerol (CBG)	<0.2		
Cannabidiol (CBD)		100%	1000.00
Tetrahydrocannabivarin (THCV)	<0.2		
Cannabinol (CBN)	<0.2		
(-)-trans- Δ^8 -tetrahydrocannabinol (THC)	<0.2		
Δ^8 -Tetrahydrocannabidol	<0.2		
Cannabichromene (CBC)	<0.2		
Δ^9 -Tetrahydrocannabinolic acid A (THC-A)	<0.2		
Cannabinoids Total		Percent	mg/g
Max Active THC		0.00%	0.00
Max Active CBD		100%	1000
T. Active Cannabinoids		100%	1000
Total Cannabinoids		100%	1000
Ratios			
NA CBD to THC		0.00 :1 THC to CBD	

Cannabinoid (mg/g)



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This report expires 30 days after analysis date.



Residual Solvents Profile

Customer: Balanced Health Botanicals
Customer Sample ID: CBD Powder 2219059D2
Laboratory Number: 201903-1452
Extraction Technician: MTO
Analytical Chemist: GB

Extraction Date(s):	Analysis Date(s)
3/27/2019	3/27/2019

Residual Solvent	Results	Limits¹	Limits²
	(ug/g)	(ug/g)	(ug/g)
Propane		100-2000	1000
Isobutane		100-2000	1000
Methanol		100-2000	
Butane		100-2000	1000
Isopropanol		100-2000	1000
Ethanol		100-2000	1000
2-Methyl Butane		100-2000	1000
Acetonitrile		100-2000	
Acetone		100-2000	1000
Pentane	524.0	100-2000	1000
Hexane		100-2000	60
Tetrahydrofuran		100-2000	
Benzene		1.0-50	2
Heptane		100-2000	1000
Toluene		50-2000	180
Ethylbenzene		100-2000	
m+p Xylene		100-2000	Total Xylene
o-Xylene		100-2000	430
1,2,3 Trimethylbenzene		100-2000	

Empty result indicates data is less than 5.0 ug/g

1: Calibration Range

2: Limits based on Colorado Code of Regulations 1CCR 212-1.

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Sample Name	201903-1452	Operator	LCTQ
Sample ID	CBD Powder 2219059D2	Method	Triple Quad 4500
Acquisition Date	2019-03-29T00:03:06	Result Table	03282019
Data File	20190328.wiff	Sample Type	

Pesticides	Conc. (ppm)	Pos/Neg	Action Level (ppm)	Comments
ACEPHATE	0.000	NEG	0.040	
ACEQUINOCYL	0.000	NEG	0.200	
ACETAMIPRID	0.000	NEG	0.020	
ALDICARB	0.000	NEG	0.040	
ABAMECTIN	0.000	NEG	0.070	
AVERMECTIN B1B	0.000	NEG	0.070	
AZOXYSTROBIN	0.000	NEG	0.020	
BIFENAZATE	0.000	NEG	0.020	
BIFENTHRIN	0.000	NEG	0.020	
BOSCALID	0.000	NEG	0.040	
CARBARYL	0.000	NEG	0.020	
CARBOFURAN	0.000	NEG	0.020	
CHLORANTRANILIPROLE	0.000	NEG	0.020	
CHLOREFENAPYR	0.000	NEG	0.100	
CHLORPYRIFOS	0.000	NEG	0.020	
CLOFENTEZINE	0.000	NEG	0.020	
CYFLUTHRIN	0.000	NEG	0.100	
CYPERMETHRIN	0.000	NEG	0.100	
DAMINOZIDE	0.000	NEG	0.100	
DIAZINON	0.000	NEG	0.020	
DICHLORVOS	0.000	NEG	0.010	
DIMETHOATE	0.000	NEG	0.020	
ETHOPROPHOS	0.000	NEG	0.020	
ETOXAZOLE	0.000	NEG	0.010	
FENOXYCARB	0.000	NEG	0.020	
FENPYROXIMATE	0.000	NEG	0.040	
FIPRONIL	0.000	NEG	0.040	
FLONICAMID	0.000	NEG	0.100	
FLUDIOXONIL	0.000	NEG	0.040	
HEXYTHIAZOX	0.000	NEG	0.100	
IMAZALIL	0.000	NEG	0.040	
IMIDACLOPRID	0.000	NEG	0.020	
KRESOXIM-METHYL	0.000	NEG	0.040	

P = Present but below limit

Disclaimer: The development and performance characteristics of these tests were determined by Altitude Lab Solutions and have not been cleared by the FDA.



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MALATHION A	0.000	NEG	0.050	
METALAXYL	0.000	NEG	0.020	
METHIOCARB	0.000	NEG	0.020	
METHOMYL	0.000	NEG	0.040	
MGK 264	0.000	NEG	0.020	
MYCLOBUTANIL	0.000	NEG	0.040	
NALED	0.000	NEG	0.050	
OXAMYL	0.000	NEG	0.100	
PACLOBUTRAZOL	0.000	NEG	0.040	
PARATHION METHYL	0.000	NEG	0.100	
PERMETHRINS	0.000	NEG	0.040	
PHOSMET	0.000	NEG	0.020	
PIPERONYL BUTOXIDE	0.000	NEG	0.200	
PRALLETHRIN	0.000	NEG	0.020	
PROPICONAZOLE	0.000	NEG	0.040	
PROPOXURE	0.000	NEG	0.020	
PYRETHRINS CINERIN 1	0.000	NEG	0.500	
PYRETHRINS JASMOLIN 1	0.000	NEG	0.500	
PYRETHRINS PYRETHRIN 1	0.000	NEG	0.500	
PYRIDABEN	0.000	NEG	0.020	
SPINOSYN A	0.000	NEG	0.060	
SPINOSYN D	0.000	NEG	0.060	
SPIROMESIFEN	0.000	NEG	0.030	
SPIROTETRAMAT	0.000	NEG	0.020	
SPIROXAMINE	0.000	NEG	0.040	
TEBUCONAZOLE	0.000	NEG	0.010	
THIACLOMPRID	0.000	NEG	0.020	
THIAMETHOXAM	0.000	NEG	0.020	
TRIFLOXYSTROBIN	0.000	NEG	0.020	

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Metals/Microbial Profile

Customer: Balanced Health Botanicals
Customer Sample ID: CBD Powder 2219059D2
Laboratory Number: 201903-1452
Extraction Technician: MTO
Analytical Chemist: RH

Extraction Date(s):	Analysis Date(s)
3/27/2019	4/1/2019

Metals (ICP/MS)	Results	
	Method Code	ug/Kg (ppb)
Arsenic (Ar)	ICPMS.1	<20
Cadmium (Cd)	ICPMS.1	<10
Lead (Pb)	ICPMS.1	9
Mercury (Hg)	ICPMS.1	<5.0

Limits for metals vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits. Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced.

	Results		
	Method Code		Units
Salmonella spp.	Salm.1	Negative	/1g
Non-O157 STEC*	STEC.1.b	Negative	/1g
Listeria monocytogenes	Lmono.2	Negative	/1g
Aerobic Plate Count	TCEC.1a	<10	CFU/g
Total Chloroform Bacteria	TCEC.1a	<10	CFU/g
Escherichia coli	APC.1a	<10	CFU/g
Staphylococcus aureus	S.aureus.1.a	<10	CFU/g
Yeast & Mold	Y&M.1a	<10	CFU/g

Limits for microbials vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits. Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced.

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