

Certificate of Analysis

Sample Information

CTLA ID: 11053
Date Received: 9/23/2019
Sample Name: Blueberry Water Sol. Tinc.
Lot Number: 2HB1000FW
Customer: Harmony Hemp



Analysis	Method	MDL	Specification	Result	Units
Complete Micro					
Total Plate Count	USP <2021>	100	Report	<100	cfu/g
Total Coliforms	BAM CH.4	10	Report	<10	cfu/g
<i>Escherichia coli</i>	USP <2022>		Report	Negative	
<i>Salmonella</i>	USP <2022>		Report	Negative	
<i>Staphylococcus aureus</i>	USP <2022>		Report	Negative	
Yeast & Mold	USP <2021>	100	Report	<100	cfu/g
Heavy Metals					
Arsenic	USP <2232>	.001	Report	0.002	ppm
Cadmium	USP <2232>	.001	Report	<0.001	ppm
Lead	USP <2232>	.001	Report	0.008	ppm
Mercury	USP <2232>	.001	Report	<0.001	ppm
Cannabinoid Concentration					
Total Cannabidiol (CBD)	HPLC	1.748	Report	978.055	mg/oz
Total Tetrahydrocannabinol (THC)	HPLC	0.006	Report	0.062	%
CBD	HPLC	1.748	Report	978.055	mg/oz
CBDA	HPLC	1.748	Report	ND	mg/oz
Δ 9-THC	HPLC	1.748	Report	18.691	mg/oz
THCA	HPLC	1.748	Report	ND	mg/oz
Δ 8-THC	HPLC	1.748	Report	ND	mg/oz
THCV	HPLC	1.748	Report	ND	mg/oz
CBDV	HPLC	1.748	Report	6.742	mg/oz
CBDVA	HPLC	1.748	Report	ND	mg/oz
CBGA	HPLC	1.748	Report	ND	mg/oz


Quality Manager

Specifications provided by the Customer. Results with an asterisk (*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.

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CBG	HPLC	1.748 Report	6.663	mg/oz
CBN	HPLC	1.748 Report	ND	mg/oz
CBC	HPLC	1.748 Report	21.026	mg/oz
CBL	HPLC	1.748 Report	ND	mg/oz
Pesticides				
Abamectin	USP <561>	.01 Report	ND	ppm
Acequinocyl	USP <561>	.01 Report	ND	ppm
Bifenazate	USP <561>	.01 Report	ND	ppm
Bifenthrin	USP <561>	.01 Report	ND	ppm
Cyfluthrin	USP <561>	.01 Report	ND	ppm
Cypermethrin	USP <561>	.01 Report	ND	ppm
Daminozide	USP <561>	.01 Report	ND	ppm
Dimethomorph	USP <561>	.01 Report	ND	ppm
Etoxazole	USP <561>	.01 Report	ND	ppm
Fenhexamid	USP <561>	.01 Report	ND	ppm
Flonicamid	USP <561>	.01 Report	ND	ppm
Fludioxonil	USP <561>	.01 Report	ND	ppm
Imidacloprid	USP <561>	.01 Report	ND	ppm
Myclobutanil	USP <561>	.01 Report	ND	ppm
Paclobutrazol	USP <561>	.01 Report	ND	ppm
Piperonyl Butoxide	USP <561>	.01 Report	ND	ppm
Pyrethrins	USP <561>	.01 Report	ND	ppm
Quintozene	USP <561>	.01 Report	ND	ppm
Spinetoram	USP <561>	.01 Report	ND	ppm


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Spinosad	USP <561>	.01 Report	ND	ppm
Spirotetramat	USP <561>	.01 Report	ND	ppm
Thiamethoxam	USP <561>	.01 Report	ND	ppm
Trifloxystrobin	USP <561>	.01 Report	ND	ppm
Plant Growth Regulators	USP <561>	.01 Report	ND	ppm
Residual Solvents				
Butanes	USP <467>	94 Report	ND	ppm
Heptanes	USP <467>	94 Report	ND	ppm
Propanes	USP <467>	94 Report	ND	ppm
Terpenes				
α-Bisabolol	GC	0.015 Report	ND	%
α-Humulene	GC	0.015 Report	ND	%
α-Pinene	GC	0.015 Report	ND	%
α-Terpinene	GC	0.015 Report	ND	%
β-Caryophyllene	GC	0.015 Report	ND	%
β-Myrcene	GC	0.015 Report	ND	%
β-Pinene	GC	0.015 Report	ND	%
δ-3-Carene	GC	0.015 Report	ND	%
δ-Limonene	GC	0.015 Report	ND	%
Camphene	GC	0.015 Report	ND	%
Caryophyllene Oxide	GC	0.015 Report	ND	%
cis-Nerolidol	GC	0.010 Report	ND	%
cis-Ocimene	GC	0.010 Report	ND	%
Eucalyptol	GC	0.015 Report	ND	%


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Guaiol	GC	0.015 Report	ND	%
Isopulegol	GC	0.015 Report	ND	%
Linalool	GC	0.015 Report	ND	%
p-Cymene	GC	0.015 Report	ND	%
Terpinolene	GC	0.015 Report	ND	%
trans-Nerolidol	GC	0.005 Report	ND	%
trans-Ocimene	GC	0.005 Report	ND	%
γ-Terpinene	GC	0.015 Report	ND	%

ND = None Detected

Total CBD = CBD + (CBDA*0.877)

Total THC = Δ9-THC + Δ8-THC

1 oz = 29.94 g

Density = 0.998 g/ml

Total Cannabinoids = 1,031.176 mg/oz


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