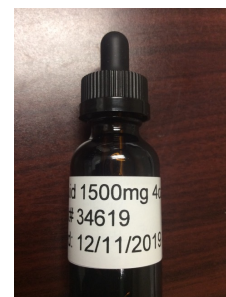


Certificate of Analysis

Sample Information

CTLA ID: 13251
Date Received: 12/12/2019
Sample Name: Pure Liquid 1500 mg 4 oz
Lot Number: 34619
Customer: MM Inc.



Analysis	Method	MDL Specification	Result	Units
Rapid 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	
Rapid Yeast and Mold	AOAC 997.02	10 Report	<10	cfu/g
Heavy Metals				
Arsenic	USP <2232>	0.040 Report	<0.040	ppm
Cadmium	USP <2232>	0.040 Report	<0.040	ppm
Lead	USP <2232>	0.040 Report	<0.040	ppm
Mercury	USP <2232>	0.040 Report	<0.040	ppm
Cannabinoid Concentration				
Total Cannabidiol (CBD)	HPLC	5.406 Report	1,484.936	mg/4 oz
Total Tetrahydrocannabinol (THC)	HPLC	0.005 Report	ND	%
CBD	HPLC	5.406 Report	1,484.936	mg/4 oz
CBDA	HPLC	5.406 Report	ND	mg/4 oz
Δ9-THC	HPLC	5.406 Report	ND	mg/4 oz
THCA	HPLC	5.406 Report	ND	mg/4 oz
Δ8-THC	HPLC	5.406 Report	ND	mg/4 oz
THCV	HPLC	5.406 Report	ND	mg/4 oz
CBDV	HPLC	5.406 Report	ND	mg/4 oz
CBDVA	HPLC	5.406 Report	ND	mg/4 oz
CBGA	HPLC	5.406 Report	ND	mg/4 oz

12/20/2019
DATE

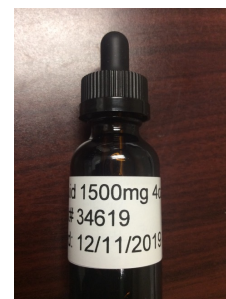

Quality Manager

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.

Certificate of Analysis

Sample Information

CTLA ID: 13251
 Date Received: 12/12/2019
 Sample Name: Pure Liquid 1500 mg 4 oz
 Lot Number: 34619
 Customer: MM Inc.



Analysis	Method	MDL Specification	Result	Units
CBG	HPLC	5.406 Report	ND	mg/4 oz
CBN	HPLC	5.406 Report	ND	mg/4 oz
CBC	HPLC	5.406 Report	ND	mg/4 oz
CBL	HPLC	5.406 Report	ND	mg/4 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

12/20/2019
 DATE

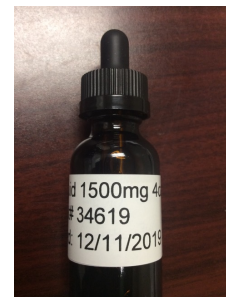

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Certificate of Analysis

Sample Information

CTLA ID: 13251
Date Received: 12/12/2019
Sample Name: Pure Liquid 1500 mg 4 oz
Lot Number: 34619
Customer: MM Inc.



Analysis	Method	MDL Specification	Result	Units
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>	137 Report	ND	ppm
Heptanes	USP <467>	137 Report	ND	ppm
Propanes	USP <467>	137 Report	ND	ppm

ND = None Detected

Total CBD = CBD + (CBDA*0.877)

Total THC = Δ9-THC + Δ8-THC

4 oz = 113.942 g

Density = 0.950 g/ml

Total Cannabinoids = 1,484.936 mg/4 oz

12/20/2019

DATE


Quality Manager

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