

CTLA ID: 10032
Date Received: 8/9/2019
Sample Name: Kannaway Premium Hemp Oil 15 g Applicator 1500 mg CBD
Lot Number: 21719
Customer: MM Inc.

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	0.296	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	3.594 Report	1,479.408	mg/15 g
Total Tetrahydrocannabinol (THC)	HPLC	0.023 Report	0.138	%
CBD	HPLC	3.594 Report	963.362	mg/15 g
CBDA	HPLC	3.594 Report	588.422	mg/15 g
Δ9-THC	HPLC	3.594 Report	20.712	mg/15 g
THCA	HPLC	3.594 Report	ND	mg/15 g
Δ8-THC	HPLC	3.594 Report	ND	mg/15 g
THCV	HPLC	3.594 Report	ND	mg/15 g
CBDV	HPLC	3.594 Report	ND	mg/15 g
CBDVA	HPLC	3.594 Report	6.235	mg/15 g
CBGA	HPLC	3.594 Report	ND	mg/15 g


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: 10032
 Date Received: 8/9/2019
 Sample Name: Kannaway Premium Hemp Oil 15 g Applicator 1500 mg CBD
 Lot Number: 21719
 Customer: MM Inc.

Analysis	Method	MDL Specification	Result	Units
CBG	HPLC	3.594 Report	ND	mg/15 g
CBN	HPLC	3.594 Report	ND	mg/15 g
CBC	HPLC	3.594 Report	42.127	mg/15 g
CBL	HPLC	3.594 Report	ND	mg/15 g
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


 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: 10032
 Date Received: 8/9/2019
 Sample Name: Kannaway Premium Hemp Oil 15 g Applicator 1500 mg CBD
 Lot Number: 21719
 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	0.065	ppm
Plant Growth Regulators	USP <561>	.01 Report	ND	ppm
Residual Solvents				
Butanes	USP <467>	52 Report	ND	ppm
Heptanes	USP <467>	52 Report	ND	ppm
Propanes	USP <467>	52 Report	ND	ppm

ND = None Detected

Total CBD = CBD + (CBDA*0.877)

Total THC = Δ9-THC + Δ8-THC

Total Cannabinoids = 1,641.081 mg/15 g



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.