

CTLA ID: 15625
 Date Received: 3/16/2020
 Sample Name: Roll-On 450 mg
 Lot Number: 534901
 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>	0.039	Report	<0.039	ppm
Cadmium	USP <2232>	0.039	Report	<0.039	ppm
Lead	USP <2232>	0.039	Report	<0.039	ppm
Mercury	USP <2232>	0.039	Report	<0.039	ppm
Cannabinoid Concentration					
Total Cannabidiol (CBD)	HPLC	0.229	Report	5.390	mg/g
Total Tetrahydrocannabinol (THC)	HPLC	0.023	Report	ND	%
CBD	HPLC	0.229	Report	5.390	mg/g
CBDA	HPLC	0.229	Report	ND	mg/g
Δ9-THC	HPLC	0.229	Report	ND	mg/g
THCA	HPLC	0.229	Report	ND	mg/g
Δ8-THC	HPLC	0.229	Report	ND	mg/g
THCV	HPLC	0.229	Report	ND	mg/g
CBDV	HPLC	0.229	Report	ND	mg/g

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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.

CBDVA	HPLC	0.229	Report	ND	mg/g
CBGA	HPLC	0.229	Report	ND	mg/g
CBG	HPLC	0.229	Report	ND	mg/g
CBN	HPLC	0.229	Report	ND	mg/g
CBC	HPLC	0.229	Report	ND	mg/g
CBL	HPLC	0.229	Report	ND	mg/g

Pesticides (24)

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
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, Group

Butanes	USP <467>	92	Report	ND	ppm
Heptanes	USP <467>	92	Report	ND	ppm
Propanes	USP <467>	92	Report	ND	ppm

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ND = None Detected

Total CBD = CBD + (CBDA*0.877)

Total THC = Δ9-THC + Δ8-THC

Total Cannabinoids = 5.390 mg/g

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