

# Certificate of Analysis

## Sample Information

CTLA ID: 13887  
Date Received: 1/6/2020  
Sample Name: Hemp for Pets Joint Health 2.5 mg  
Lot Number: 3579-51  
Customer: MM Inc.



Analysis	Method	MDL Specification	Result	Units
<b>Heavy Metals</b>				
Arsenic	USP <2232>	.001 Report	0.013	ppm
Cadmium	USP <2232>	.001 Report	0.059	ppm
Lead	USP <2232>	.001 Report	0.024	ppm
Mercury	USP <2232>	.001 Report	<0.001	ppm
<b>Cannabinoid Concentration</b>				
Total Cannabidiol (CBD)	HPLC	0.193 Report	2.642	mg/chew
Total Tetrahydrocannabinol (THC)	HPLC	0.006 Report	ND	%
CBD	HPLC	0.193 Report	1.424	mg/chew
CBDA	HPLC	0.193 Report	1.389	mg/chew
Δ9-THC	HPLC	0.193 Report	ND	mg/chew
THCA	HPLC	0.193 Report	ND	mg/chew
Δ8-THC	HPLC	0.193 Report	ND	mg/chew
THCV	HPLC	0.193 Report	ND	mg/chew
CBDV	HPLC	0.193 Report	ND	mg/chew
CBDVA	HPLC	0.193 Report	ND	mg/chew
CBGA	HPLC	0.193 Report	ND	mg/chew
CBG	HPLC	0.193 Report	ND	mg/chew
CBN	HPLC	0.193 Report	ND	mg/chew
CBC	HPLC	0.193 Report	ND	mg/chew
CBL	HPLC	0.193 Report	ND	mg/chew
<b>Pesticides</b>				
Abamectin	USP <561>	.01 Report	ND	ppm
Acequinocyl	USP <561>	.01 Report	ND	ppm

1/16/2020  
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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.

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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
<b>Residual Solvents</b>				
Butanes	USP <467>	56 Report	ND	ppm

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Heptanes	USP <467>	56 Report	ND	ppm
Propanes	USP <467>	56 Report	ND	ppm

ND = None Detected

Total CBD = CBD + (CBDA\*0.877)  
Total THC = Δ9-THC + Δ8-THC

1 chew = 3.061 g

Total Cannabinoids = 2.813 mg/chew

Complete Micro test results removed upon request by Customer.

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# Advanced Botanical Consulting & Testing, Inc.

1169 Warner Ave., Tustin, CA 92780, Phone: (714) 259-0384 Fax: (714) 259-0385

Client Sample ID: Hemp for Pets Joint Health (00805926A)

Lot#: 3579-51  
Lab#: 287291

Received Date: 01/20/2020

Report Date: 01/27/2020

Analyses	Results	Specifications	Methods
Total Plate Count	4,800 CFU/g	< 100 CFU/g	USP <2021>
Yeast	465 CFU/g	< 100 CFU/g	USP <2021>
Mold	< 10 CFU/g	< 100 CFU/g	USP <2021>
Coliforms	< 10 CFU/g	< 10 CFU/g	AOAC<991.14>
<i>E. coli</i>	Negative/10g	Negative/10g	USP <2022>
<i>Salmonella</i>	Negative/10g	Negative/10g	USP <2022>
<i>S.aureus</i>	Negative/10g	Negative/10g	USP <2022>

Analyzed by: *My Pham*  
Microbiologist

Approved by: *Vivian Truong*  
Vivian Truong, Supervisor