545 North Ave., Suite A
Grand Junction, CO 81501

mesalavenderfarms.com

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CBD for Pets

Mesa Lavender Farms® is a company based out of Grand Junction, Colorado specializing in high quality CBD products. We manufacture the purest form of CBD into tinctures and topicals that are safe and beneficial for animals. These products have been used to aid in pain reduction and improve the quality of life in dogs, cats, and other beloved pets.

Mesa Lavender Farms® CBD products for pets are unique to other CBD products in a number of ways. We use only the highest level of quality and purity in everything that we produce. Where other CBD manufactures create goods using CBD crude oil, Mesa Lavender Farms® creates our products using a highly refined full spectrum CBD distillate (minimal amount of THC) or a 100% CBD, THC-free, isolate. We do not use CBD crude oil or hemp oil in our products due to the potential for contamination of heavy metals, bacteria, fungus, pesticides, and chemicals used in the extraction process. All of our products are third party lab tested to ensure purity. A Certificate of Analysis is included with every purchase.

CBD has been used effectively as a mood stabilizer in small and large animals. Mesa Lavender Farms CBD is used to provide relief from the symptoms of animals who suffer from anxiety, stress, boredom, and aggression.

"Research at Colorado State University and Cornell University has found CBD has significantly reduced pain and inflammation associated with arthritis in pets."

"Cornell reported dosage of 2 mg/kg of CBD twice daily helped increase comfort and activity in dogs with OA (Osteoarthritis)." 4 drops of MLF Pet Tincture per 5 pounds of your animal's body weight was found effective.

"A researcher from Colorado State University recently reported findings that 89 percent of epileptic dogs had fewer seizures when taking CBD oil, as compared to about 20 percent that were on a placebo."

Mesa Lavender Farms® CBD tinctures, topical roll-ons and massage oil for pets are created using our USDA Organic MCT oil from coconut (no palm oil). CBD tinctures are taken internally for all over long-term and preventative relief. CBD topical roll-on and massage oil are applied to localized areas for immediate relief from pain and inflammation.

Mesa Lavender Farms® CBD full spectrum and isolate tinctures for small animals should be administered to your pet every day. Consistency is key to experience the full benefits of the product. Dosing will vary from animal to animal as it is largely dependent upon your pet's weight.

Mesa Lavender Farms® recommendation for our Pet Tincture is 1 drop of tincture per 10 pounds of body weight for small animals. For larger animals (horses, mules, etc.) Mesa Lavender Farms® has a large animal tincture which contains 20 mg of CBD per ml. This would be dosed at 1 cc per 200 pounds of body weight. Let us know if you need information on our large animal CBD tincture.

Body Weight						
	<25 lbs	26-45 lbs	46-85 lbs	86-150 lbs	151-240 lbs	>241 lbs
Pain						
None-mild	5 mg	6 mg	9 mg	12 mg	18 mg	23 mg
Medium	6 mg	9 mg	12 mg	15 mg	22.5 mg	30 mg
Severe	9 mg	12 mg	15 mg	18 mg	27 mg	45 mg

Here at Mesa Lavender Farms®, we make dosing easy by formulating our tinctures for small animals to contain one mg of CBD per one drop of tinctures. This means that if you are dosing your pet 10 mg of CBD per day, they should be given 10 drops of tincture each day.

This is a baseline amount and may need to be increased due to your animals' metabolism and/or level of pain or discomfort. If you are not seeing the desired benefits within one week, you can safely increase your animals' dose by 5 mg a day. Results should be seen within a week's time of using the product, however, it is likely that you will see benefits within just a couple of hours after your pet's first dose.

The preferred method of administrating CBD tincture to your pet is sublingual. When possible, drop the appropriate dose under your pets tongue each day. In the event that your animal won't let you do this, drop the tincture into their mouth, on a treat, or even on their food once per day.

During this time there are no FDA regulations on CBD. Mesa Lavender Farms® is dedicated to cultivating a culture of research-based education and complete transparency about our CBD to our customers. Our mission is to provide a safe and effective quality product that you feel confident using with your beloved pet.

For additional research please review the following links:

https://www.ellevetsciences.com/news/cornell-university-study-says-hemp-oil-works-for-dogs-in-pain/

https://cvmbs.source.colostate.edu/results-from-cbd-clinical-trial-to-assess-efficacy-on-seizure-frequency-in-dogs-encouraging/

https://www.ncbi.nlm.nih.gov/pubmed/30083539

Pharmacokinetics, Safety, and Clinical Efficacy of Cannabidiol Treatment in Osteoarthritic Dogs by Gamle et. al, https://www.ncbi.nlm.nih.gov/pubmed/30083539

The lowdown on cannabis in veterinary medicine
http://veterinarymedicine.dvm360.com/lowdown-cannabis-veterinary-medicine

Marijuana for pets?
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5109620/

What's the deal with CBD?
https://www.veterinarypracticenews.com/whats-the-deal-with-cbd/

Cannabidiol as potential anticancer drug
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3579246/

Cannabidiol exerts anti-convulsant effects in animal models of temporal lobe and partial seizures.
https://www.ncbi.nlm.nih.gov/pubmed/22520455/

Clinical Trials at Colorado State University CBD dogs seizures
https://cvmbs.source.colostate.edu/results-from-cbd-clinical-trial-to-assess-efficacy-on-seizure-frequency-in-dogs-encouraging/

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botanacor

CERTIFICATE OF ANALYSIS

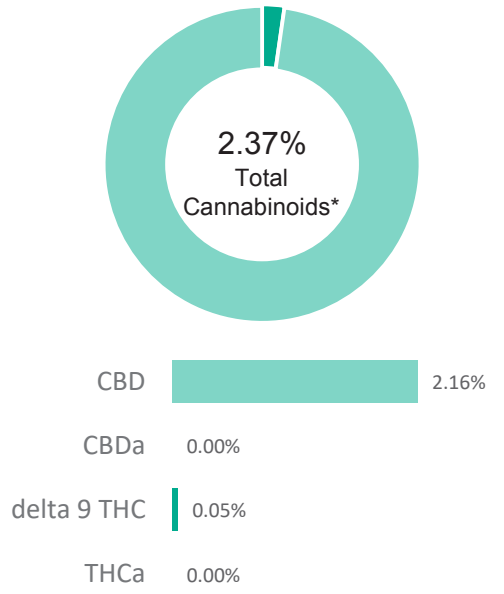
prepared for: MESA LAVENDER FARMS

545 NORTH AVENUE SUITE A
GRAND JUNCTION, CO 81501

LAVLEMON FST

Batch ID:	FSTLL11120	**Test ID:**	5609693.0036
Reported:	17-Jan-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.02	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.05	0.5
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	2.16	21.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.00	0.0
Cannabinolic Acid (CBNA)	0.02	0.00	0.0
Cannabinol (CBN)	0.01	0.01	0.1
Cannabigerolic acid (CBGA)	0.01	0.00	0.0
Cannabigerol (CBG)	0.01	0.02	0.2
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.02	0.00	0.0
Cannabidivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.01	0.00	0.0
Cannabichromene (CBC)	0.01	0.13	1.3
Total Cannabinoids		**2.37**	**23.70**
Total Potential THC**		0.05	0.50
Total Potential CBD**		2.16	21.60

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

NOTES:

An Interfering peak was detected near CBD which may impact the accuracy of CBD

Note: 21.6 mg/g x 28.35 mg per ounce = 612 mg per oz

FINAL APPROVAL

Karen Winternheimer
17-Jan-2020
1:56 PM
PREPARED BY / DATE

Greg Zimpfer
17-Jan-2020
4:52 PM
APPROVED BY / DATE

ilac-MRA A2LA ACCREDITED

Certificate #4329.02

botanacor

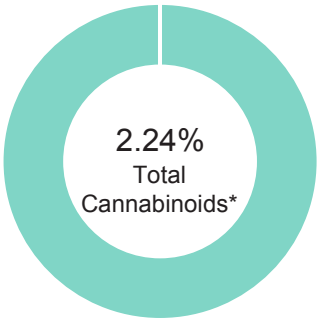
CERTIFICATE OF ANALYSIS

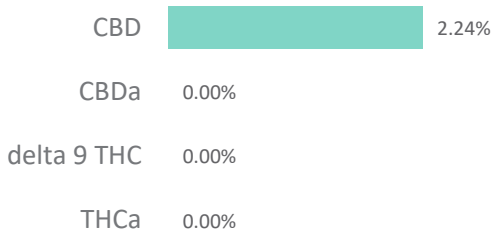
prepared for: MESA LAVENDER FARMS
545 NORTH AVENUE SUITE A
GRAND JUNCTION, CO 81501

LAVENDER CBDONLY

Batch ID:	LAVCBD11120	**Test ID:**	5609693.0037
Reported:	17-Jan-2020	**Method:**	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.00	0.0
Cannabidiolic acid (CBDA)	0.08	0.00	0.0
Cannabidiol (CBD)	0.04	2.24	22.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	0.00	0.0
Cannabinolic Acid (CBNA)	0.08	0.00	0.0
Cannabinol (CBN)	0.03	0.00	0.0
Cannabigerolic acid (CBGA)	0.05	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.05	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.02	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.07	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.04	0.00	0.0
Cannabichromene (CBC)	0.05	0.00	0.0
Total Cannabinoids		**2.24**	**22.40**
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.24	22.40

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

NOTES:
N/A

Note: 22.4 mg/g x 28.35 mg per ounce = 635 mg per oz

FINAL APPROVAL

K Winternheimer
Karen Winternheimer
17-Jan-2020
1:56 PM
PREPARED BY / DATE

Greg Zimpfer
17-Jan-2020
4:52 PM
APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

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Certificate #4329.02

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