



# Certificate of Analysis

Powered by Confident Cannabis

Muscle MX, LLC

Midvale, UT 84047  
 mike@musclemx.com  
 (801) 231-7329  
 Lic. #CBD

Sample: 2006DBL0149.5970  
 METRC Sample:

Strain: Activate Stick  
 Ordered: 06/15/2020; Sampled: 06/18/2020; Completed: 06/26/2020

**AS-051820**

Topical, Salve, CO2



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

## Terpenes

Analyzed by 300.13 GC/FID and GC/MS

6,569.562  
 mg/unit  
 Total Terpenes



Compound	LOQ mg/unit	Mass mg/unit	Mass mg/g	Relative Concentration
Eucalyptol	7.610	3234.740	43.130	
δ-Limonene	7.610	980.357	13.071	
α-Pinene	7.610	612.370	8.165	
cis-Ocimene	4.946	466.364	6.218	
p-Cymene	7.610	355.325	4.738	
β-Pinene	7.610	248.718	3.316	
α-Terpinene	7.610	181.266	2.417	
β-Myrcene	7.610	166.558	2.221	
γ-Terpinene	7.610	106.120	1.415	
trans-Ocimene	2.663	64.140	0.855	
Isopulegol	7.610	57.565	0.768	
β-Caryophyllene	7.610	26.347	0.351	
Terpinolene	7.610	26.153	0.349	
δ-3-Carene	7.610	22.646	0.302	
Linalool	7.610	12.468	0.166	
Camphene	7.610	8.425	0.112	
α-Bisabolol	7.610	<LOQ	<LOQ	
α-Humulene	7.610	<LOQ	<LOQ	
Caryophyllene Oxide	7.610	<LOQ	<LOQ	
cis-Nerolidol	4.946	<LOQ	<LOQ	
Guaiol	7.610	<LOQ	<LOQ	
trans-Nerolidol	2.663	<LOQ	<LOQ	

## Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

<LOQ  
 Δ9-THC + Δ8-THC

380.585 mg/unit  
 CBD

Not Tested

pH: NT  
 Aw: NT

380.585 mg/unit  
 Total Cannabinoids

Not Tested  
 Homogeneity

Compound	LOQ mg/unit	Mass mg/unit	Mass mg/g	Relative Concentration
CBC	3.231	<LOQ	<LOQ	
CBCa	3.231	<LOQ	<LOQ	
CBD	3.231	380.585	5.074	
CBDa	3.231	<LOQ	<LOQ	
CBDV	3.231	<LOQ	<LOQ	
CBDVa	3.231	<LOQ	<LOQ	
CBG	3.231	<LOQ	<LOQ	
CBGa	3.231	<LOQ	<LOQ	
CBL	3.231	<LOQ	<LOQ	
CBN	3.231	<LOQ	<LOQ	
Δ8-THC	3.231	<LOQ	<LOQ	
Δ9-THC	3.231	<LOQ	<LOQ	
THCa	3.231	<LOQ	<LOQ	
THCV	3.231	<LOQ	<LOQ	
THCVa	3.231	<LOQ	<LOQ	

1 Unit = AS-051820, 75g  
 Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa \* 0.877 + CBD



*Stacy Gardalen*

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 Quality Control

*Glen Marquez*

Glen Marquez  
 Quality Control



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AS-051820

Topical, Salve, CO2



## Pesticides

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	200	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Pacllobutrazol	10	400	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

## Microbials

Analyzed by 300.1 Plating/QPCR

Pass

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	10		<LOQ	Tested
Bile-Tolerant Gram-Negative Bacteria	10	10000	<LOQ	Pass
Coliforms	10	100000	<LOQ	Pass
Yeast & Mold	10		<LOQ	Tested

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

## Mycotoxins

Analyzed by 300.2 Elisa

Not Tested

Mycotoxin	LOQ	Limit	Mass	Status
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## Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	47	1	<LOQ	Pass
Cadmium	47	1	<LOQ	Pass
Lead	47	1200	<LOQ	Pass
Mercury	47	400	<LOQ	Pass

## Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	65	500	<LOQ	Pass
Ethanol	65		<LOQ	Tested
Heptanes	65	500	<LOQ	Pass
Propane	65	500	<LOQ	Pass



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	CFU/g	CFU/g	CFU/g	
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Coliforms	10	100000	<LOQ	Pass
Yeast & Mold	10		<LOQ	Tested

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass



**Foreign Matter** Pass



TNC = Too Numerous to Count



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Spinosad	10	1000	<LOQ	Pass
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Trifloxystrobin	10	1000	<LOQ	Pass



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