



# Certificate of Analysis

Powered by Confident Cannabis

Muscle MX, LLC

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 mike@musclemx.com  
 (801) 231-7329  
 Lic. #

Sample: 1912DBL0341.12597

METRC Sample:  
 Lot #: 11819

Strain: Activate Tub  
 Ordered: 12/19/2019; Sampled: 12/23/2019; Completed: 01/02/2020

**1219ATUB**

Concentrates & Extracts, Other



Pesticides

Microbials

Mycotoxins

Heavy Metals

Foreign Matter

Solvents

### Terpenes

Analyzed by 300.13 GC/FID and GC/MS

51,722.988 mg/unit  
Total Terpenes

Eucalyptus

Orange

Pine

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
Eucalyptol	83.888	28551.020	43.589	
δ-Limonene	83.888	92654.029	14.145	
α-Pinene	83.888	2654.361	4.052	
β-Pinene	83.888	2254.381	3.442	
γ-Terpinene	83.888	1880.709	2.871	
p-Cymene	83.888	1820.578	2.780	
β-Myrcene	83.888	1787.291	2.729	
cis-Ocimene	54.526	841.299	1.284	
α-Terpinene	83.888	677.012	1.034	
Camphene	83.888	637.283	0.973	
Isopulegol	83.888	508.967	0.777	
Terpinolene	83.888	431.656	0.659	
β-Caryophyllene	83.888	239.988	0.366	
Linalool	83.888	116.504	0.178	
trans-Ocimene	29.362	56.910	0.087	
α-Bisabolol	83.888	<LOQ	<LOQ	
α-Humulene	83.888	<LOQ	<LOQ	
Caryophyllene Oxide	83.888	<LOQ	<LOQ	
cis-Nerolidol	54.526	<LOQ	<LOQ	
δ-3-Carene	83.888	<LOQ	<LOQ	
Guaiol	83.888	<LOQ	<LOQ	
trans-Nerolidol	29.362	<LOQ	<LOQ	

### Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

<LOQ  
Total THC

3,504.799 mg/unit  
Total CBD

NT  
Moisture: Not Tested

**3,504.799 mg/unit**  
Total Cannabinoids

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
CBC	35.883	<LOQ	<LOQ	
CBCa	35.883	<LOQ	<LOQ	
CBD	35.883	3504.799	5.351	
CBDa	35.883	<LOQ	<LOQ	
CBDV	35.883	<LOQ	<LOQ	
CBDVa	35.883	<LOQ	<LOQ	
CBG	35.883	<LOQ	<LOQ	
CBGa	35.883	<LOQ	<LOQ	
CBL	35.883	<LOQ	<LOQ	
CBN	35.883	<LOQ	<LOQ	
Δ8-THC	35.883	<LOQ	<LOQ	
Δ9-THC	35.883	<LOQ	<LOQ	
THCa	35.883	<LOQ	<LOQ	
THCV	35.883	<LOQ	<LOQ	
THCVa	35.883	<LOQ	<LOQ	

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa \* 0.877 + CBD



*Stacy Gardalen*  
 Stacy Gardalen  
 Quality Control

*Glen Marquez*  
 Glen Marquez  
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## 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	
Bile-Tolerant Gram-Negative Bacteria	9	100	<LOQ	Pass
Yeast & Mold	90	1000	<LOQ	Pass

  

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

## Mycotoxins

Analyzed by 300.2 Elisa

Pass

Mycotoxin	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	4.0	20.0	4.1	Pass
Ochratoxin A	2.0	20.0	13.3	Pass

## Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	55	2000	<LOQ	Pass
Cadmium	55	820	<LOQ	Pass
Lead	55	1200	<LOQ	Pass
Mercury	55	400	61	Pass

## Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	82	500	<LOQ	Pass
Heptanes	82	500	<LOQ	Pass
Propane	82	500	<LOQ	Pass



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