



Accreditation No. 102356  
 Certificate No. L19-215  
 ISO/IEC 17025:2017 Accredited



(760) 230-9080  
 info@certusanalytics.com  
 26359 Jefferson Ave  
 Murrieta, CA 92562  
 Lic# CB-18-0000049-TEMP

**Sample Name: 1500mg FS Tincture 30ml**

Sample ID: 1907CER0470.1445  
 Strain: 1500mg FS Tincture 30ml  
 Matrix: Ingestible  
 Type: Tincture  
 Sample Size: 1 units; Batch:

Produced:  
 Collected:  
 Received: 07/12/2019  
 Completed: 07/18/2019  
 Batch#: TFS1500072019



<b>0.153%</b>
THCa + Δ9-THC (%)
<b>43.238 mg/unit</b>
THCa + Δ9-THC

<b>5.792%</b>
CBDa + CBD (%)
<b>1,633.297 mg/unit</b>
CBDa + CBD

<b>6.737%</b>
Total Cannabinoids (%)
<b>1,899.857 mg/unit</b>
Total Cannabinoids

**Cannabinoids**

Complete

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.056	0.282	<LOQ	<LOQ
Δ9-THC	0.056	0.282	43.238	1.533
Δ8-THC	0.056	0.282	5.919	0.210
THCV	0.056	0.282	47.943	1.700
CBDa	0.056	0.282	29.453	1.044
CBD	0.056	0.282	1603.844	56.874
CBN	0.056	0.282	9.569	0.339
CBGa	0.056	0.282	7.506	0.266
CBG	0.056	0.282	19.017	0.674
CBC	0.056	0.282	133.368	4.729
<b>Total</b>			<b>1899.857</b>	<b>67.371</b>

1 Unit = 0.94g/mL Client Provided Density; 30mL Bottle, 28.2g

Total THC = THCa \* 0.877 + Δ9-THC  
 Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; ND = Not Detected; The reported flower/trim results are based on a sample dry-weight as required by California Code of Regulations Title 16 Division 42 section 5724; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Cannabinoids Analytical Method: HPLC SOP-024



*Mike Tunis*

Mike Tunis  
 Laboratory Manager  
 07/18/2019

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**Pesticides**

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.1	0.1	0.1	ND	Pass	Hexythiazox	0.1	0.1	0.1	ND	Pass
Acephate	0.1	0.1	0.1	ND	Pass	Imazalil	0.1	0.1	0.1	ND	Pass
Acequinocyl	0.1	0.1	0.1	ND	Pass	Imidacloprid	0.1	0.1	5	ND	Pass
Acetamiprid	0.1	0.1	0.1	ND	Pass	Kresoxim Methyl	0.1	0.1	0.1	ND	Pass
Aldicarb	0.1	0.1	0.1	ND	Pass	Malathion	0.1	0.1	0.5	ND	Pass
Azoxystrobin	0.1	0.1	0.1	ND	Pass	Metalaxyl	0.1	0.1	2	ND	Pass
Bifenazate	0.1	0.1	0.1	ND	Pass	Methiocarb	0.1	0.1	0.1	ND	Pass
Bifenthrin	0.1	0.1	3	ND	Pass	Methomyl	0.1	0.1	1	ND	Pass
Boscalid	0.1	0.1	0.1	ND	Pass	Mevinphos	0.1	0.1	0.1	ND	Pass
Captan	0.1	0.1	0.7	ND	Pass	Myclobutanil	0.1	0.1	0.1	ND	Pass
Carbaryl	0.1	0.1	0.5	ND	Pass	Naled	0.1	0.1	0.1	ND	Pass
Carbofuran	0.1	0.1	0.1	ND	Pass	Oxamyl	0.1	0.1	0.5	ND	Pass
Chlorantranilprole	0.1	0.1	10	ND	Pass	Paclobutrazol	0.1	0.1	0.1	ND	Pass
Chlorpyrifos	0.1	0.1	0.1	ND	Pass	Permethrin	0.1	0.1	0.5	ND	Pass
Clofentezine	0.1	0.1	0.1	ND	Pass	Phosmet	0.1	0.1	0.1	ND	Pass
Coumaphos	0.1	0.1	0.1	ND	Pass	Piperonyl	0.1	0.1	3	ND	Pass
Cyfluthrin	0.1	0.1	2	ND	Pass	Butoxide	0.1	0.1	0.1	ND	Pass
Cypermethrin	0.1	0.1	1	ND	Pass	Prallethrin	0.1	0.1	0.1	ND	Pass
Daminozide	0.1	0.1	0.1	ND	Pass	Propiconazole	0.1	0.1	0.1	ND	Pass
Diazinon	0.1	0.1	0.1	ND	Pass	Propoxur	0.1	0.1	0.1	ND	Pass
Dimethoate	0.1	0.1	0.1	ND	Pass	Pyrethrins	0.1	0.1	0.5	ND	Pass
Dimethomorph	0.1	0.1	2	ND	Pass	Pyridaben	0.1	0.1	0.1	ND	Pass
Ethoprophos	0.1	0.1	0.1	ND	Pass	Spinetoram	0.1	0.1	0.1	ND	Pass
Etofenprox	0.1	0.1	0.1	ND	Pass	Spinosad	0.1	0.1	0.1	ND	Pass
Etoxazole	0.1	0.1	0.1	ND	Pass	Spiromesifen	0.1	0.1	0.1	ND	Pass
Fenhexamid	0.1	0.1	0.1	ND	Pass	Spirotetramat	0.1	0.1	0.1	ND	Pass
Fenoxycarb	0.1	0.1	0.1	ND	Pass	Spiroxamine	0.1	0.1	0.1	ND	Pass
Fenpyroximate	0.1	0.1	0.1	ND	Pass	Tebuconazole	0.1	0.1	0.1	ND	Pass
Fipronil	0.1	0.1	0.1	ND	Pass	Thiacloprid	0.1	0.1	0.1	ND	Pass
Fonicamid	0.1	0.1	0.1	ND	Pass	Thiamethoxam	0.1	0.1	5	ND	Pass
						Trifloxystrobin	0.1	0.1	0.1	ND	Pass

Date Tested: 07/13/2019

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the BCC in 16 CCR section 5719. Pesticides Analytical Method: LCMS & GCM5 SOP-025



*Mike Tunis*

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 Laboratory Manager  
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Type: Tincture	Completed: 07/18/2019
Sample Size: 1 units; Batch:	Batch#: TFS1500072019

**Microbials**

Pass

**Analyte**

**Result**

Shiga toxin-producing E. Coli  
 Salmonella

CFU/g  
 Not Detected in 1g  
 Not Detected in 1g

Date Tested: 07/15/2019

LOQ = Limit of Quantitation; CFU/g = Colony Forming Units per Gram; Unless otherwise stated all quality control samples performed within specifications established by the BCC in 16 CCR section 5720. Microbial Analytical Method: qPCR SOP-007



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 07/18/2019

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QA Testing

4 of 4

**Sample Name: 1500mg FS Tincture 30ml**

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 Matrix: Ingestible      Received: 07/12/2019  
 Type: Tincture      Completed: 07/18/2019  
 Sample Size: 1 units; Batch:      Batch#: TFS1500072019

**Heavy Metals**

Complete

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.05	0.05	0.2	NR	NT
Cadmium	0.05	0.05	0.2	NR	NT
Lead	0.05	0.05	0.5	NR	NT
Mercury	0.01	0.03	3	NR	NT

**Date Tested:**

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the BCC in 16 CCR section 5723. Heavy Metals Analytical Method: ICPMS SOP-042. The addition of metals to our scope is pending.



07/18/2019

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