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

Certus Analytics

(760) 230-9080
info@certusanalytics.com
26359 Jefferson Ave
Murrieta, CA 92562
Lic# C8-18-0000049-TEMP

Sample Name: 30ml 2500mg Full Spectrum

Sample ID: 1908CER0579.1779
Strain: 30ml 2500mg Full Spectrum
Matrix: Ingestible
Type: Tincture
Sample Size: 1 units; Batch:

Produced:
Collected:
Received: 08/20/2019
Completed: 08/23/2019
Batch#: 1921401

0.236%	8.987%	10.212%
THCa + Δ9-THC (%)	CBDa + CBD (%)	Total Cannabinoids (%)
70.704 mg/unit	**2,696.050 mg/unit**	**3,063.729 mg/unit**
THCa + Δ9-THC	CBDa + CBD	Total Cannabinoids

Cannabinoids

Complete

Analyte	LOD mg/unit	LOQ mg/unit	Mass mg/unit	Mass mg/g
THCa	0.060	0.300	2.438	0.081
Δ9-THC	0.060	0.300	68.266	2.276
Δ8-THC	0.060	0.300	9.979	0.333
THCV	0.060	0.300	ND	ND
CBDa	0.060	0.300	58.579	1.953
CBD	0.060	0.300	2637.471	87.916
CBN	0.060	0.300	16.183	0.539
CBGa	0.060	0.300	11.963	0.399
CBG	0.060	0.300	41.490	1.383
CBC	0.060	0.300	217.360	7.245
Total			3063.729	102.124

1 Unit = Assuming 1.0g/mL Density; 30mL Bottle, 30g

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
Laboratory Manager
08/23/2019

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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	0.3	ND	Pass	Fludioxonil	0.1	0.1	30	ND	Pass
Acephate	0.1	0.1	5	ND	Pass	Hexythiazox	0.1	0.1	2	ND	Pass
Acequinocyl	0.1	0.1	4	ND	Pass	Imazalil	0.1	0.1	0.1	ND	Pass
Acetamiprid	0.1	0.1	5	ND	Pass	Imidacloprid	0.1	0.1	3	ND	Pass
Aldicarb	0.1	0.1	0.1	ND	Pass	Kresoxim Methyl	0.1	0.1	1	ND	Pass
Azoxystrobin	0.1	0.1	40	ND	Pass	Malathion	0.1	0.1	5	ND	Pass
Bifenazate	0.1	0.1	5	ND	Pass	Metalaxyl	0.1	0.1	15	ND	Pass
Bifenthrin	0.1	0.1	0.5	ND	Pass	Methiocarb	0.1	0.1	0.1	ND	Pass
Boscalid	0.1	0.1	10	ND	Pass	Methomyl	0.1	0.1	0.1	ND	Pass
Captan	0.1	0.1	5	ND	Pass	Methyl Parathion	0.1	0.1	0.1	ND	Pass
Carbaryl	0.1	0.1	0.5	ND	Pass	Mevinphos	0.1	0.1	0.1	ND	Pass
Carbofuran	0.1	0.1	0.1	ND	Pass	Myclobutanil	0.1	0.1	9	ND	Pass
Chlorantraniliprole	0.1	0.1	40	ND	Pass	Naled	0.1	0.1	0.5	ND	Pass
Chlordane	0.1	0.1	0.1	ND	Pass	Oxamyl	0.1	0.1	0.2	ND	Pass
Chlorfenapyr	0.1	0.1	0.1	ND	Pass	Paclobutrazol	0.1	0.1	0.1	ND	Pass
Chlorpyrifos	0.1	0.1	0.1	ND	Pass	Pentachloronitrobenzene	0.1	0.1	0.2	ND	Pass
Clofentezine	0.1	0.1	0.5	ND	Pass	Permethrin	0.1	0.1	20	ND	Pass
Coumaphos	0.1	0.1	0.1	ND	Pass	Phosmet	0.1	0.1	0.2	ND	Pass
Cyfluthrin	0.1	0.1	1	ND	Pass	Piperonyl Butoxide	0.1	0.1	8	ND	Pass
Cypermethrin	0.1	0.1	1	ND	Pass	Prallethrin	0.1	0.1	0.4	ND	Pass
Daminozide	0.1	0.1	0.1	ND	Pass	Propiconazole	0.1	0.1	20	ND	Pass
DDVP	0.1	0.1	0.1	ND	Pass	Propoxur	0.1	0.1	0.1	ND	Pass
Diazinon	0.1	0.1	0.2	ND	Pass	Pyrethrins	0.1	0.1	1	ND	Pass
Dimethoate	0.1	0.1	0.1	ND	Pass	Pyridaben	0.1	0.1	3	ND	Pass
Dimethomorph	0.1	0.1	20	ND	Pass	Spinetoram	0.1	0.1	3	ND	Pass
Ethoprophos	0.1	0.1	0.1	ND	Pass	Spinosad	0.1	0.1	3	ND	Pass
Etofenprox	0.1	0.1	0.1	ND	Pass	Spiromesifen	0.1	0.1	12	ND	Pass
Etoxazole	0.1	0.1	1.5	ND	Pass	Spirotetramat	0.1	0.1	13	ND	Pass
Fenhexamid	0.1	0.1	10	ND	Pass	Spiroxamine	0.1	0.1	0.1	ND	Pass
Fenoxycarb	0.1	0.1	0.1	ND	Pass	Tebuconazole	0.1	0.1	2	ND	Pass
Fenpyroximate	0.1	0.1	2	ND	Pass	Thiacloprid	0.1	0.1	0.1	ND	Pass
Fipronil	0.1	0.1	0.1	ND	Pass	Thiamethoxam	0.1	0.1	4.5	ND	Pass
Flonicamid	0.1	0.1	2	ND	Pass	Trifloxystrobin	0.1	0.1	30	ND	Pass

Date Tested: 08/22/2019
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 & GCMS SOP-025

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Laboratory Manager
08/23/2019

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Microbials

Pass

Analyte	Result
	CFU/g
Shiga toxin-producing E. Coli	Not Detected in 1g
Salmonella	Not Detected in 1g

Date Tested: 08/22/2019
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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Heavy Metals

Pass

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

Date Tested: 08/22/2019
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 5723. Heavy Metals Analytical Method: ICPMS SOP-042. The addition of metals to our scope is pending.

Mike Tunis
Laboratory Manager
08/23/2019