

Essentials Capsules

Sample ID: 1901CSALA0037.0132
Strain: Essentials Capsules
Matrix: Ingestible
Type: Capsule
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 01/04/2019
Received: 01/04/2019
Completed: 01/07/2019
Batch#: 121618PBC60

Client
Papa and Barkley
Lic. #
122 W. 4th St
Eureka, CA 95501



Summary

Pass

60.7447 mg/unit Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals

Cannabinoids

Complete

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.0004	0.0009	ND	ND
Δ9-THC	0.0003	0.0009	1.9816	2.2600
Δ8-THC	0.0004	0.0018	ND	ND
THCV	0.0005	0.0018	ND	ND
CBDa	0.0004	0.0009	ND	ND
CBD	0.0003	0.0009	52.6781	60.0800
CBDV	0.0006	0.0018	0.8505	0.9700
CBN	0.0002	0.0009	ND	ND
CBGa	0.0005	0.0018	ND	ND
CBG	0.0005	0.0018	2.4813	2.8300
CBC	0.0002	0.0009	2.7532	3.1400
Total			60.7447	69.2800

1.9816 mg/unit
Total THC

52.6781 mg/unit
Total CBD

1 Unit = 1 Capsule, 0.8768g; 9 servings per container; 17.8 mg/unit THC per container

Terpenes

Complete

Testing method: HSGCMS-SOP 201

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
β-Caryophyllene	0.002	0.006	0.035	0.35
β-Myrcene	0.000	0.000	0.022	0.22
α-Humulene	0.001	0.002	0.008	0.08
Caryophyllene Oxide	0.000	0.001	0.007	0.07
δ-Limonene	0.000	0.001	0.006	0.06
Eucalyptol	0.000	0.001	0.003	0.03
Linalool	0.000	0.001	0.002	0.02
Guaiol	0.000	0.001	0.002	0.02
α-Bisabolol	0.000	0.000	0.001	0.01
α-Pinene	0.000	0.000	<LOQ	<LOQ
α-Terpinene	0.000	0.000	ND	ND
β-Pinene	0.000	0.001	<LOQ	<LOQ
Camphene	0.001	0.002	ND	ND
cis-Nerolidol	0.000	0.000	ND	ND
δ-3-Carene	0.000	0.001	ND	ND
γ-Terpinene	0.000	0.000	ND	ND
Geraniol	0.000	0.000	ND	ND
Isopulegol	0.000	0.000	ND	ND
Ocimene	0.000	0.000	ND	ND
p-Cymene	0.000	0.000	ND	ND
Terpinolene	0.000	0.001	ND	ND
trans-Nerolidol	0.001	0.002	<LOQ	<LOQ
Total			0.086	0.86

NT
Moisture
SOP-103

NT
Water Activity
SOP-102

Pass
Foreign Matter
SOP-001

Date Tested: 01/04/2019

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;



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Executive Lab Director
01/07/2019

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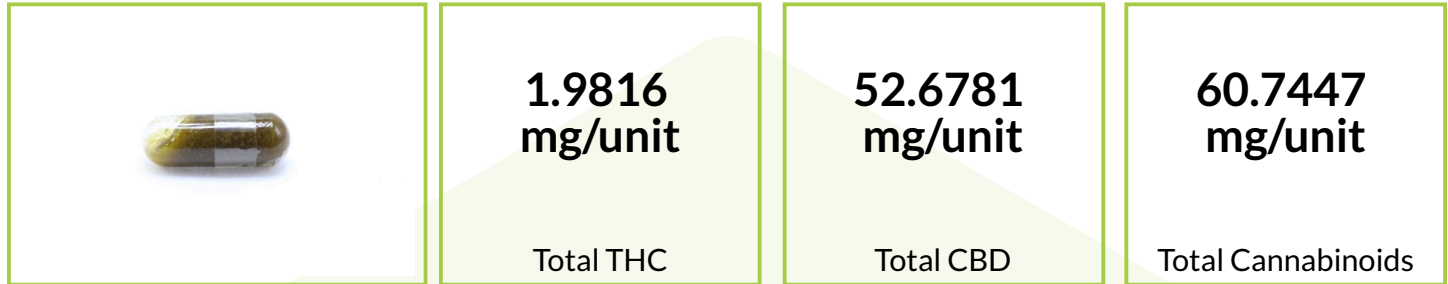


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Cannabinoids

Complete

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	mg/unit	mg/unit	mg/unit	mg/g
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Δ9-THC	0.0003	0.0009	1.9816	2.2600
Δ8-THC	0.0004	0.0018	ND	ND
THCV	0.0005	0.0018	ND	ND
CBDa	0.0004	0.0009	ND	ND
CBD	0.0003	0.0009	52.6781	60.0800
CBDV	0.0006	0.0018	0.8505	0.9700
CBN	0.0002	0.0009	ND	ND
CBGa	0.0005	0.0018	ND	ND
CBG	0.0005	0.0018	2.4813	2.8300
CBC	0.0002	0.0009	2.7532	3.1400
Total			60.7447	69.2800

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Pesticides

Test Method: LCMS & GCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.005	0.100	0.300	ND	Pass	Fludioxonil	0.001	0.100	30.000	ND	Pass
Acephate	0.000	0.100	5.000	ND	Pass	Hexythiazox	0.000	0.100	2.000	ND	Pass
Acequinocyl	0.000	0.100	4.000	ND	Pass	Imazalil	0.100	0.100	0.100	ND	Pass
Acetamiprid	0.000	0.100	5.000	ND	Pass	Imidacloprid	0.001	0.100	3.000	ND	Pass
Aldicarb	0.100	0.100	0.100	ND	Pass	Kresoxim Methyl	0.003	0.100	1.000	ND	Pass
Azoxystrobin	0.000	0.100	40.000	ND	Pass	Malathion	0.001	0.100	5.000	ND	Pass
Bifenazate	0.000	0.100	5.000	ND	Pass	Metalaxyl	0.001	0.100	15.000	ND	Pass
Bifenthrin	0.000	0.100	0.500	ND	Pass	Methiocarb	0.100	0.100	0.100	ND	Pass
Boscalid	0.001	0.100	10.000	ND	Pass	Methomyl	0.001	0.100	0.100	ND	Pass
Captan	0.001	0.100	5.000	ND	Pass	Methyl Parathion	0.100	0.100	0.100	ND	Pass
Carbaryl	0.001	0.100	0.500	ND	Pass	Mevinphos	0.100	0.100	0.100	ND	Pass
Carbofuran	0.100	0.100	0.100	ND	Pass	Myclobutanil	0.004	0.100	9.000	ND	Pass
Chlorantraniliprole	0.001	0.100	40.000	ND	Pass	Naled	0.004	0.100	0.500	ND	Pass
Chlordane	0.100	0.100	0.100	ND	Pass	Oxamyl	0.000	0.100	0.200	ND	Pass
Chlorfenapyr	0.100	0.100	0.100	ND	Pass	Pacllobutrazol	0.100	0.100	0.100	ND	Pass
Chlorpyrifos	0.100	0.100	0.100	ND	Pass	Pentachloronitrobenzene	0.000	0.100	0.200	ND	Pass
Clofentezine	0.001	0.100	0.500	ND	Pass	Permethrin	0.001	0.100	20.000	ND	Pass
Coumaphos	0.100	0.100	0.100	ND	Pass	Phosmet	0.000	0.100	0.200	ND	Pass
Cyfluthrin	0.001	0.100	1.000	ND	Pass	Piperonyl Butoxide	0.001	0.100	8.000	ND	Pass
Cypermethrin	0.000	0.100	1.000	ND	Pass	Prallethrin	0.000	0.100	0.400	ND	Pass
Daminozide	0.100	0.100	0.100	ND	Pass	Propiconazole	0.000	0.100	20.000	ND	Pass
DDVP	0.100	0.100	0.100	ND	Pass	Propoxur	0.100	0.100	0.100	ND	Pass
Diazinon	0.001	0.100	0.200	ND	Pass	Pyrethrins	0.000	0.100	1.000	ND	Pass
Dimethoate	0.100	0.100	0.100	ND	Pass	Pyridaben	0.001	0.100	3.000	ND	Pass
Dimethomorph	0.001	0.100	20.000	ND	Pass	Spinetoram	0.001	0.100	3.000	ND	Pass
Ethoprophos	0.100	0.100	0.100	ND	Pass	Spinosad	0.000	0.100	3.000	ND	Pass
Etofenprox	0.100	0.100	0.100	ND	Pass	Spiromesifen	0.001	0.100	12.000	ND	Pass
Etoxazole	0.010	0.100	1.500	ND	Pass	Spirotetramat	0.000	0.100	13.000	ND	Pass
Fenhexamid	0.001	0.100	10.000	ND	Pass	Spiroxamine	0.100	0.100	0.100	ND	Pass
Fenoxycarb	0.100	0.100	0.100	ND	Pass	Tebuconazole	0.002	0.100	2.000	ND	Pass
Fenpyroximate	0.001	0.100	2.000	ND	Pass	Thiacloprid	0.100	0.100	0.100	ND	Pass
Fipronil	0.100	0.100	0.100	ND	Pass	Thiamethoxam	0.000	0.100	4.500	ND	Pass
Fonicamid	0.001	0.100	2.000	ND	Pass	Trifloxystrobin	0.001	0.100	30.000	ND	Pass

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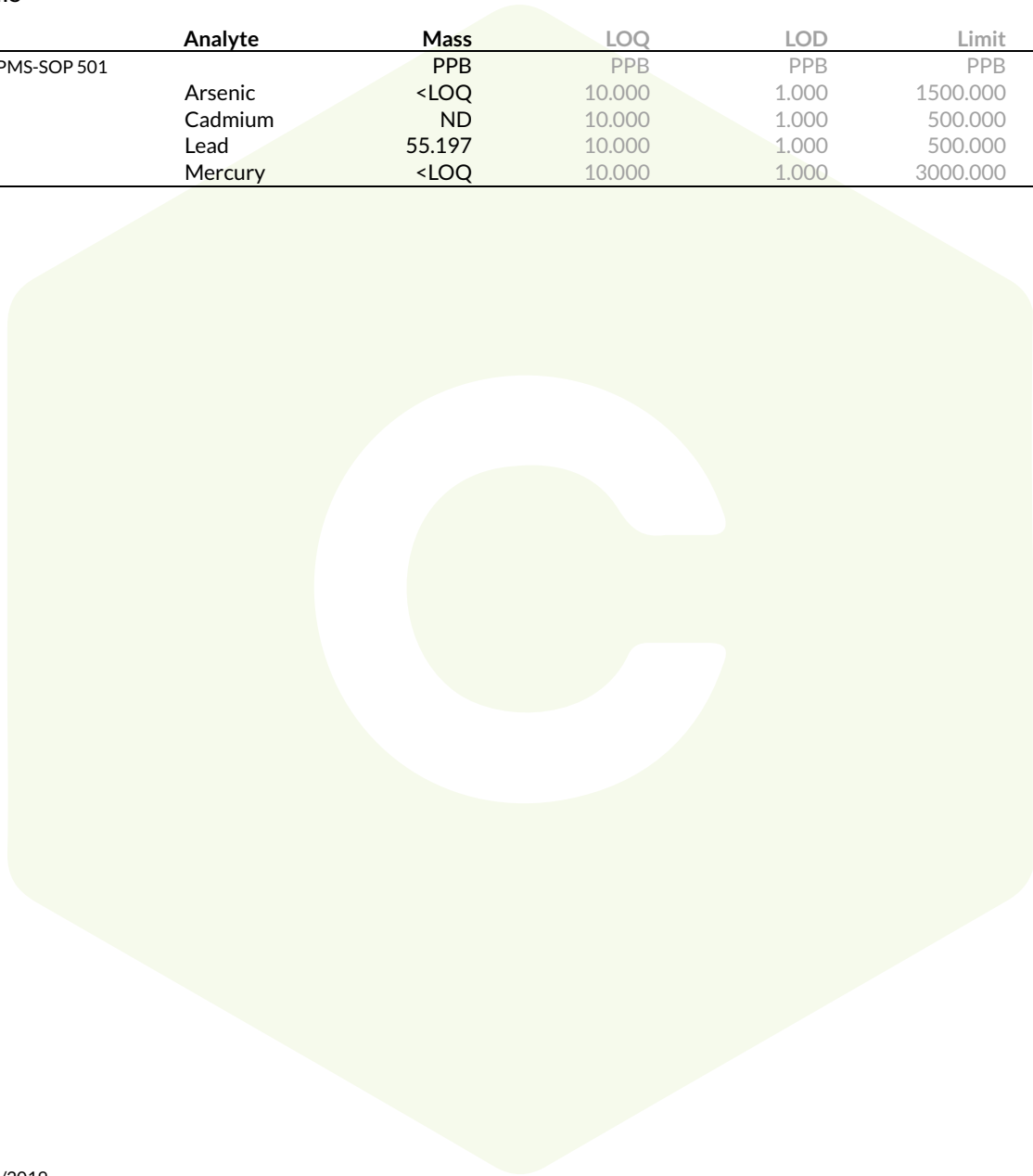
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Heavy Metals

	Analyte	Mass	LOQ	LOD	Limit	Status
Testing method: ICPMS-SOP 501		PPB	PPB	PPB	PPB	
	Arsenic	<LOQ	10.000	1.000	1500.000	Pass
	Cadmium	ND	10.000	1.000	500.000	Pass
	Lead	55.197	10.000	1.000	500.000	Pass
	Mercury	<LOQ	10.000	1.000	3000.000	Pass



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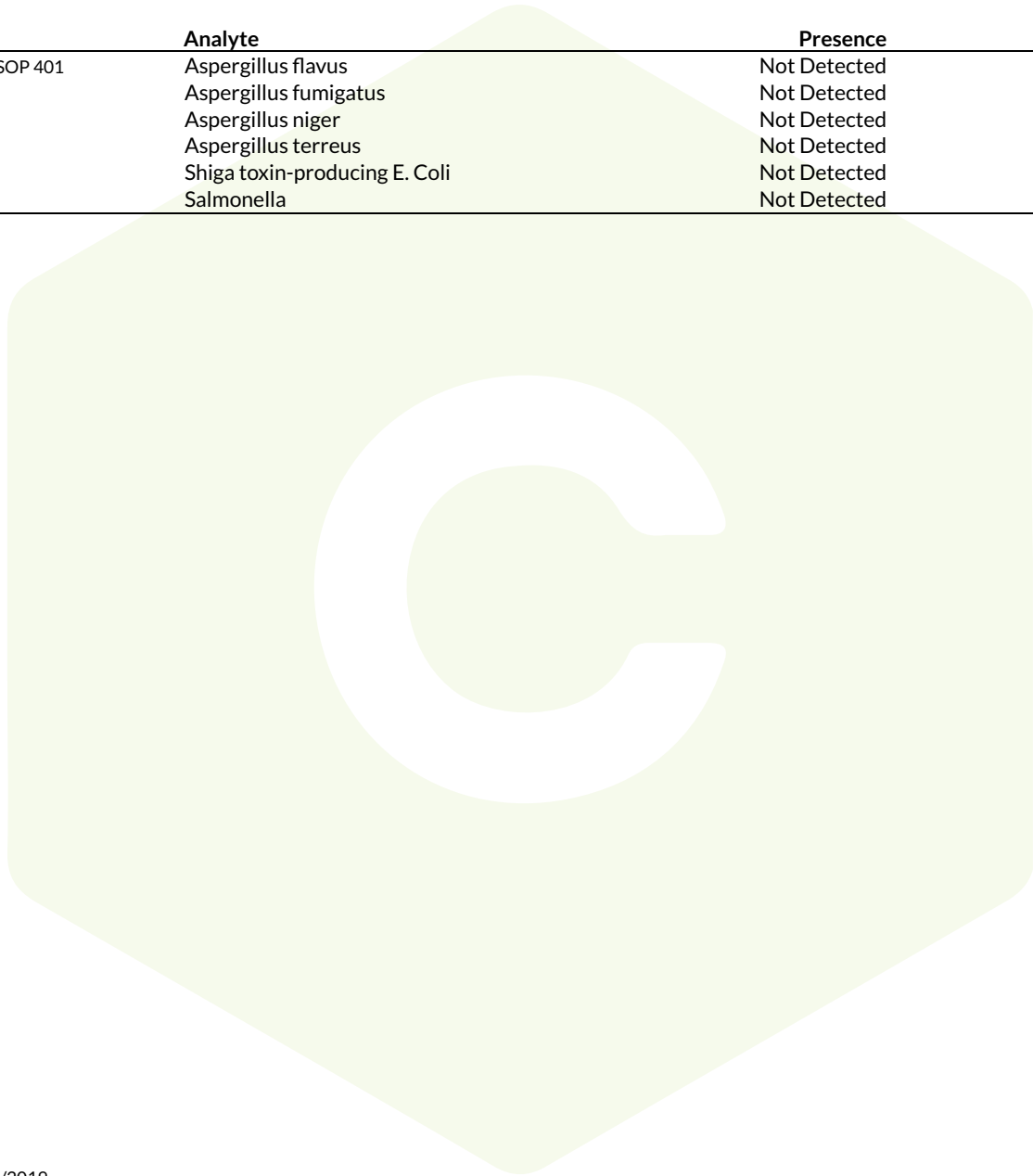
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Microbials

	Analyte	Presence	Status
Test method: PCR-SOP 401	Aspergillus flavus	Not Detected	Pass
	Aspergillus fumigatus	Not Detected	Pass
	Aspergillus niger	Not Detected	Pass
	Aspergillus terreus	Not Detected	Pass
	Shiga toxin-producing E. Coli	Not Detected	Pass
	Salmonella	Not Detected	Pass



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Residual Solvents

Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM	
1,2-Dichloro-Ethane	0.100	30.000	0.100	ND	Pass
Acetone	3.800	250.000	500.000	ND	Pass
Acetonitrile	0.500	1.000	410.000	ND	Pass
Benzene	0.000	12.000	0.000	ND	Pass
Butane	0.800	2500.000	5000.000	ND	Pass
Chloroform	0.100	360.000	0.100	ND	Pass
Ethanol	3.800	2500.000	5000.000	ND	Pass
Ethyl-Acetate	3.800	2500.000	5000.000	ND	Pass
Ethyl-Ether	3.400	2500.000	5000.000	ND	Pass
Ethylene Oxide	0.200	300.000	0.200	ND	Pass
Heptane	4.500	2500.000	5000.000	ND	Pass
Isopropanol	4.600	100.000	5000.000	ND	Pass
Methanol	5.300	200.000	3000.000	ND	Pass
Methylene-Chloride	0.900	2500.000	0.900	ND	Pass
n-Hexane	0.400	70.000	290.000	ND	Pass
Pentane	3.900	2500.000	5000.000	ND	Pass
Propane	0.300	2500.000	5000.000	ND	Pass
Toluene	1.700	30.000	890.000	ND	Pass
Trichloroethene	0.100	480.000	0.100	ND	Pass
Xylenes	2.400	10.000	2170.000	ND	Pass

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Mycotoxins

	Analyte	LOQ	Limit	Units	Status
Test method: LCMS-SOP 301		PPB	PPB	PPB	
	B1	5.000		ND	Tested
	B2	5.000		ND	Tested
	G1	5.000		ND	Tested
	G2	5.000		ND	Tested
	Ochratoxin A	5.000	20.000	ND	Pass
	Total Aflatoxins	5.000	20.000	ND	Pass

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