

# Certified Organic Direct Isolate 1

Sample ID: 1903CSALA2043.7084  
Strain: Certified Organic Direct Isolate 1  
Matrix: Concentrates & Extracts  
Type: Other  
Sample Size: 3 units; Batch:

Produced: N/A  
Collected: 03/07/2019  
Received: 03/07/2019  
Completed: 03/28/2019  
Batch#:

Client  
Certified Organic Direct  
Lic. #  
1230 Rosecrans Ave.  
Manhattan Beach, CA 90266



## Summary

Pass

<b>99.96%</b> Total Cannabinoids	<b>Pass</b> Pesticides	<b>Pass</b> Residual Solvents
<b>Pass</b> Microbials	<b>Pass</b> Mycotoxins	<b>Pass</b> Heavy Metals

## Cannabinoids

Complete

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
THCa	0.00002	0.0001	ND	ND
Δ9-THC	0.00004	0.0001	ND	ND
Δ8-THC	0.00004	0.0001	ND	ND
THCV	0.00004	0.0001	ND	ND
CBDa	0.00002	0.0001	ND	ND
CBD	0.00004	0.0001	99.96	999.60
CBDV	0.00001	0.0001	ND	ND
CBN	0.00002	0.0001	ND	ND
CBGa	0.00002	0.0001	ND	ND
CBG	0.00004	0.0001	ND	ND
CBC	0.00001	0.0001	ND	ND
<b>Total</b>			<b>99.96</b>	<b>999.60</b>

**ND**  
Total THC

**99.96%**  
Total CBD

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
α-Bisabolol	0.00015	0.0013	ND	ND
α-Humulene	0.00057	0.0013	ND	ND
α-Pinene	0.00015	0.0013	ND	ND
α-Terpinene	0.00012	0.0013	ND	ND
β-Caryophyllene	0.00017	0.0013	ND	ND
β-Myrcene	0.00012	0.0013	ND	ND
β-Pinene	0.00034	0.0013	ND	ND
Camphene	0.00072	0.0013	ND	ND
Caryophyllene Oxide	0.00017	0.0013	ND	ND
cis-Nerolidol	0.00009	0.0013	ND	ND
δ-3-Carene	0.00040	0.0013	ND	ND
δ-Limonene	0.00016	0.0013	ND	ND
Eucalyptol	0.00017	0.0013	ND	ND
γ-Terpinene	0.00012	0.0013	ND	ND
Geraniol	0.00013	0.0013	ND	ND
Guaiol	0.00018	0.0013	ND	ND
Isopulegol	0.00011	0.0013	ND	ND
Linalool	0.00015	0.0013	ND	ND
Ocimene	0.00013	0.0013	ND	ND
p-Cymene	0.00010	0.0013	ND	ND
Terpinolene	0.00016	0.0013	ND	ND
trans-Nerolidol	0.00058	0.0013	ND	ND
<b>Total</b>			<b>0.00</b>	<b>0.00</b>

**NT**  
Moisture  
Moisture Analyzer SOP-103  
Date Tested:

**NT**  
Water Activity  
Water Activity Meter SOP-102  
Date Tested:

**Pass**  
Foreign Matter  
Visual Inspection SOP-001  
Date Tested: 03/25/2019

Date Tested: 03/28/2019  
Total THC = THCa \* 0.877 + d9-THC  
Total CBD = CBDa \* 0.877 + CBD  
LOQ = Limit of Quantitation; LOD = Limit of Detection; NR = Not Reported; 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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Accreditation No. 73653

Mallory Speakman  
Laboratory Director - LA  
03/28/2019

Anya Engen  
Quality Manager  
03/28/2019



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## Pesticides

Test Method: LCMS &amp; GCMS-SOP 301

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	0.018	0.059	0.1	ND	Pass	Fludioxonil	0.007	0.024	0.1	ND	Pass
Acephate	0.009	0.029	0.1	ND	Pass	Hexythiazox	0.007	0.024	0.1	ND	Pass
Acequinocyl	0.005	0.018	0.1	ND	Pass	Imazalil	0.004	0.012	0.004	ND	Pass
Acetamiprid	0.004	0.013	0.1	ND	Pass	Imidacloprid	0.039	0.129	5	ND	Pass
Aldicarb	0.004	0.013	0.004	ND	Pass	Kresoxim Methyl	0.005	0.017	0.1	ND	Pass
Azoxystrobin	0.006	0.019	0.1	ND	Pass	Malathion	0.01	0.032	0.5	ND	Pass
Bifenazate	0.004	0.014	0.1	ND	Pass	Metalaxyl	0.003	0.01	2	ND	Pass
Bifenthrin	0.008	0.027	3	ND	Pass	Methiocarb	0.006	0.02	0.006	ND	Pass
Boscalid	0.006	0.019	0.1	ND	Pass	Methomyl	0.009	0.03	1	ND	Pass
Captan	0.0789	0.2631	0.7	ND	Pass	Methyl Parathion	0.007	0.0233	0.007	ND	Pass
Carbaryl	0.005	0.015	0.5	ND	Pass	Mevinphos	0.003	0.011	0.003	ND	Pass
Carbofuran	0.005	0.018	0.005	ND	Pass	Myclobutanil	0.017	0.058	0.1	ND	Pass
Chlorantraniliprole	0.007	0.024	10	ND	Pass	Naled	0.007	0.024	0.1	ND	Pass
Chlordane	0.0291	0.0969	0.0291	ND	Pass	Oxamyl	0.003	0.009	0.5	ND	Pass
Chlorfenapyr	0.01	0.033	0.01	ND	Pass	Pacllobutrazol	0.013	0.044	0.013	ND	Pass
Chlorpyrifos	0.005	0.017	0.005	ND	Pass	Pentachloronitrobenzene	0.0046	0.0152	0.1	ND	Pass
Clofentezine	0.006	0.019	0.1	ND	Pass	Permethrin	0.011	0.036	0.5	ND	Pass
Coumaphos	0.009	0.028	0.009	ND	Pass	Phosmet	0.007	0.025	0.1	ND	Pass
Cyfluthrin	0.008	0.026	2	ND	Pass	Piperonyl Butoxide	0.005	0.018	3	ND	Pass
Cypermethrin	0.013	0.044	1	ND	Pass	Prallethrin	0.007	0.024	0.1	ND	Pass
Daminozide	0.021	0.07	0.021	ND	Pass	Propiconazole	0.008	0.026	0.1	ND	Pass
DDVP	0.004	0.012	0.004	ND	Pass	Propoxur	0.004	0.013	0.004	ND	Pass
Diazinon	0.005	0.017	0.1	ND	Pass	Pyrethrins	0.003	0.01	0.5	ND	Pass
Dimethoate	0.003	0.011	0.003	ND	Pass	Pyridaben	0.008	0.027	0.1	ND	Pass
Dimethomorph	0.007	0.023	2	ND	Pass	Spinetoram	0.007	0.022	0.1	ND	Pass
Ethoprophos	0.004	0.013	0.004	ND	Pass	Spinosad	0.005	0.016	0.1	ND	Pass
Etofenprox	0.005	0.017	0.005	ND	Pass	Spiromesifen	0.007	0.023	0.1	ND	Pass
Etoazole	0.006	0.018	0.1	ND	Pass	Spirotetramat	0.009	0.03	0.1	ND	Pass
Fenhexamid	0.009	0.03	0.1	ND	Pass	Spiroxamine	0.006	0.019	0.006	ND	Pass
Fenoxycarb	0.007	0.022	0.007	ND	Pass	Tebuconazole	0.013	0.042	0.1	ND	Pass
Fenpyroximate	0.009	0.03	0.1	ND	Pass	Thiacloprid	0.007	0.023	0.007	ND	Pass
Fipronil	0.017	0.056	0.017	ND	Pass	Thiamethoxam	0.004	0.013	5	ND	Pass
Flonicamid	0.0244	0.0814	0.1	ND	Pass	Trifloxystrobin	0.004	0.014	0.1	ND	Pass

Date Tested: 03/26/2019

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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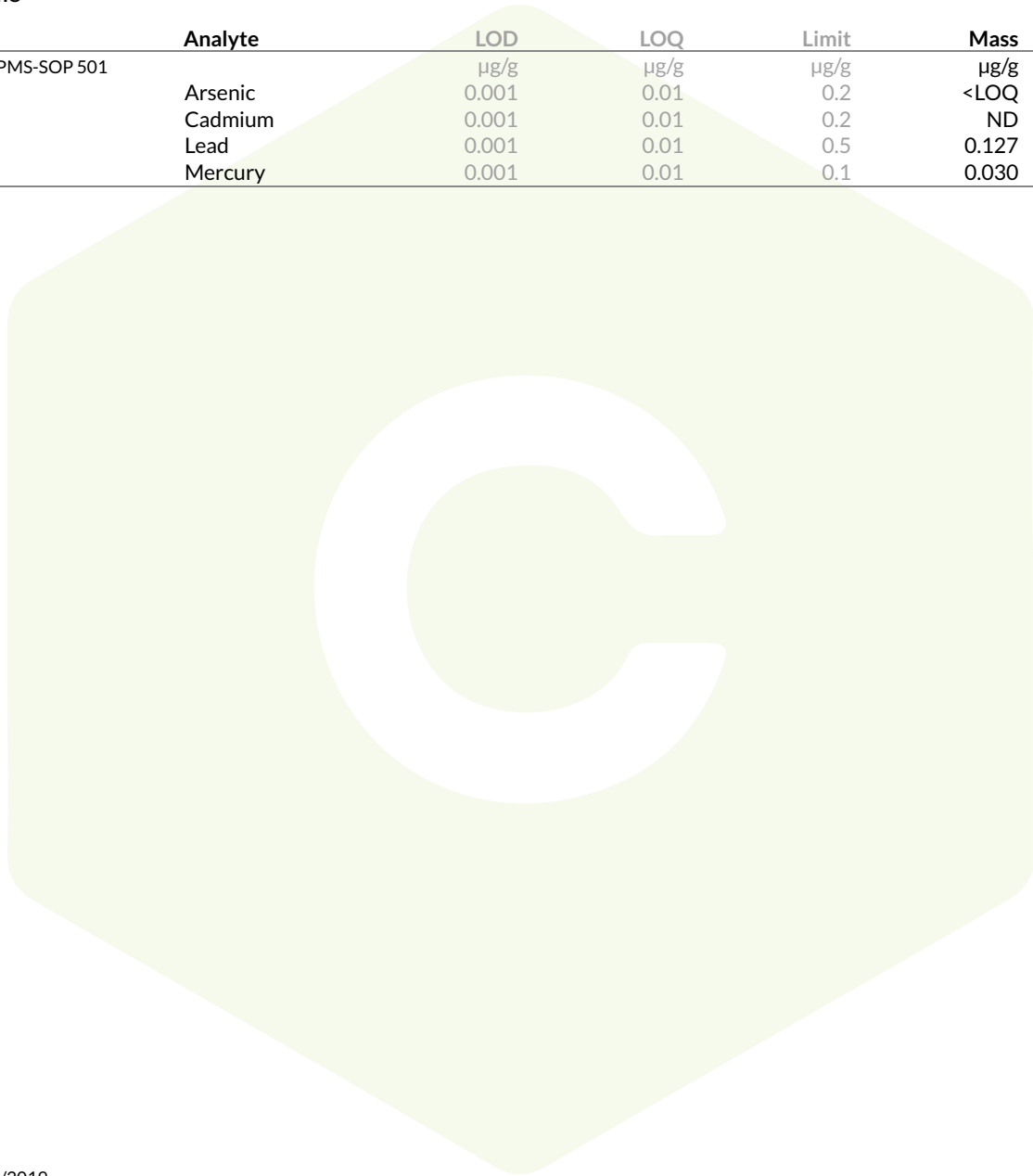
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## Heavy Metals

Analyte	LOD	LOQ	Limit	Mass	Status
Testing method: ICPMS-SOP 501					
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.001	0.01	0.2	<LOQ	Pass
Cadmium	0.001	0.01	0.2	ND	Pass
Lead	0.001	0.01	0.5	0.127	Pass
Mercury	0.001	0.01	0.1	0.030	Pass



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## Residual Solvents

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.024	0.24	1	ND	Pass
Acetone	0.112	1.12	5000	ND	Pass
Acetonitrile	0.0196	0.196	410	ND	Pass
Benzene	0.0096	0.096	1	ND	Pass
Butane	0.2	2	5000	ND	Pass
Chloroform	0.0288	0.288	1	ND	Pass
Ethanol	0.112	1.12	5000	ND	Pass
Ethyl-Acetate	0.112	1.12	5000	ND	Pass
Ethyl-Ether	0.112	1.12	5000	ND	Pass
Ethylene Oxide	0.024	0.24	1	ND	Pass
Heptane	0.112	1.12	5000	123.58	Pass
Isopropanol	0.112	1.12	5000	ND	Pass
Methanol	0.144	1.44	3000	ND	Pass
Methylene-Chloride	0.0288	0.288	1	ND	Pass
n-Hexane	0.1392	1.392	290	ND	Pass
Pentane	0.112	1.12	5000	ND	Pass
Propane	0.08	0.8	5000	ND	Pass
Toluene	0.4272	4.272	890	ND	Pass
Trichloroethene	0.0384	0.384	1	ND	Pass
Xylenes	1.0416	10.416	2170	ND	Pass

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## Mycotoxins

	Analyte	LOD	LOQ	Limit	Units	Status
Test method: LCMS-SOP 301		µg/kg	µg/kg	µg/kg	µg/kg	
	B1	0.001	0.005		ND	Tested
	B2	0.007	0.022		ND	Tested
	G1	0.007	0.022		ND	Tested
	G2	0.006	0.021		ND	Tested
	Total Aflatoxins			20	ND	Pass
	Ochratoxin A	0.013	0.045	20	ND	Pass

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## Microbials

Test method: PCR-SOP 401

### Analyte

Analyte	Result	Status
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

Date Tested: 03/26/2019

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## Mycotoxins

Test method: LCMS-SOP 301

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	0.001	0.005		ND	Tested
B2	0.007	0.022		ND	Tested
G1	0.007	0.022		ND	Tested
G2	0.006	0.021		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.013	0.045	20	ND	Pass

Date Tested: 03/26/2019

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## Heavy Metals

Testing method: ICPMS-SOP 501

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.001	0.01	0.2	<LOQ	Pass
Cadmium	0.001	0.01	0.2	ND	Pass
Lead	0.001	0.01	0.5	0.127	Pass
Mercury	0.001	0.01	0.1	0.030	Pass

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