

Certificate of Analysis

Client Name: Cool Clean Technologies, LLC	Matrix: Oil
Client Address: 915 Blue Gentian Road Suite 400, Eagan, MN 55121	Date Received: 9/25/2019 2:25:00PM
Sample ID: 1000 Base	Lab Sample ID: 1903978-02
Lot/Batch #:	Date of Report: 10/3/2019 5:15:18PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	No
Heavy Metals	Yes
Residual Solvents	No
Microbial Testing	No
Pesticides	Yes



Sample, packaged



Sample, actual

Cannabinoid Profile 1903978-02 1000 Base

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Total CBD	4.45	0.375	% by Weight	HPLC	10/1/19 1:22 am	
Total THC	0.242	0.0375	% by Weight	HPLC	10/1/19 1:15 am	
Cannabidiol (CBD)	1.42	0.200	% by Weight	HPLC	10/1/19 1:22 am	
Cannabigerol (CBG)	0.0121	0.00200	% by Weight	HPLC	10/1/19 1:09 am	
Cannabidiolic Acid (CBDA)	3.45	0.200	% by Weight	HPLC	10/1/19 1:22 am	
Cannabinol (CBN)	0.0113	0.00200	% by Weight	HPLC	10/1/19 1:09 am	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.143	0.0200	% by Weight	HPLC	10/1/19 1:15 am	
Cannabichromene (CBC)	0.0567	0.00200	% by Weight	HPLC	10/1/19 1:09 am	
THCA-A	0.113	0.0200	% by Weight	HPLC	10/1/19 1:15 am	

Heavy Metals 1903978-02 1000 Base

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Arsenic	<1.0	1.0	mg/kg wet	EPA 6010C	9/27/19 4:31 pm	
Cadmium	<0.050	0.050	mg/kg wet	EPA 6010C	9/27/19 4:31 pm	
Lead	<0.75	0.75	mg/kg wet	EPA 6010C	9/27/19 4:31 pm	V1
Mercury	<0.50	0.50	mg/kg wet	EPA 6010C	9/27/19 4:31 pm	

Bach Pham - Client Manager II

Certificate of Analysis

Pesticides

1903978-02

1000 Base

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
3-Hydroxycarbofuran	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Bendiocarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Bifenazate	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	V9
Carbofuran (Furadan)	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Chloroxuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Chlorotoluron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Cycluron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Cymoxanil	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Diethofencarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Diuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Fenobucarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Fenoxycarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Fenuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Indoxacarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Iprovalicarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Isoprocarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Isoproturon	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Linuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Metobromuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Monolinuron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Pirimicarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Promecarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Propoxur	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Siduron	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Thiobencarb	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Avermectin (abamectin)	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Acequinocyl	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Bifenthrin	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Cyfluthrin	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Etoxazole	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Imazalil	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Imidacloprid	<2.0	2.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	R-01
Azoxystrobin	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Paclobutrazol	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Spinetoram (J&L)	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Spinosad D	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Spiromesifen	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Spirotetramat	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Tebufenpyrad	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Pyrethrin I	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	
Pyrethrin II	<1.0	1.0	ug/g	LC-MS/MS	9/28/19 1:00 pm	

Certificate of Analysis

Sample Narrative:

1903978-02

1000 Base

Total CBD = 41.8 mg/mL

Total CBD calculated using the Density of MCT Oil (0.94 g/mL)

Certificate of Analysis

Notes and Definitions

CFU/g	Colony Forming Units per Gram
HPLC	High-Performance Liquid Chromatography
MS	Mass Spectrometry
<	Less than value listed
RL	Reporting Limit
NA	Not Applicable
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
V9	CCV recovery was below method acceptance limits.