



CTFO
1300 Oliver Rd Ste 200
Fairfield, CA 94534
(707) 449-4567



SAMPLE:D809013-01

METRC/Biotrack#N/A **Harvest/Lot ID: 0901185**
Batch#: 0901185, Batch Size: N/A -grams
Ordered: 9/5/2018 Sampled:9/5/2018
Completed: 9/6/2018 8:09:19 PM Expires: 09/06/19
Sampling Method: SOP SOP Client Method

Image

Safety



Pesticides - Tested
Microbials - Tested
Mycotoxins - Tested
Heavy Metals - Tested
Terpenes - NT
Residual-Solvents - Tested
Filtration - NT
Water Activity - NT
Moisture - NT

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	0.01
THCa	ND	ND
TOTAL THC	ND	ND
CBD	1.71	17.13
CBDa	ND	0.02
TOTAL CBD	1.71	17.10
CBN	ND	ND
CBDV	0.02	0.19
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBC	ND	ND
TOTAL CANNABINOIDS	1.73	17.30

Cannabinoids

0.00% Total THC	1.71% Total CBD
0.00mg THC/Container	513.95mg CBD/Container

ND	ND	1.71	ND	ND	0.02	ND	ND	ND	ND	ND
D9-THC	THCa	CBD	CBDa	CBN	CBDV	D8-THC	THCV	CBG	CBGA	CBC



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Pesticides	LOQ	Action Level	Result	Units	Type
Abamectin	0.01	0.5	ND	ppm	Insecticide
Acephate	0.01	0.4	ND	ppm	Insecticide
Acetamprid	0.01	0.2	ND	ppm	Insecticide
Aldicarb	0.01	0.4	ND	ppm	Insecticide, Nematicide
Azoxystrobin	0.01	0.2	ND	ppm	Fungicide
Bifenazate	0.01	0.2	ND	ppm	Insecticide
Bifenthrin	0.01	0.2	ND	ppm	Acaricide, Insecticide
Boscalid	0.01	0.4	ND	ppm	Fungicide
Carbaryl	0.01	0.2	ND	ppm	Insecticide
Carbofuran	0.01	0.2	ND	ppm	Insecticide, Nematicide
Chlorantraniliprole	0.01	0.2	ND	ppm	Insecticide
Chlorpyrifos	0.01	0.2	ND	ppm	Organophosphate Insecticide
Clofentezine	0.01	0.2	ND	ppm	Tetrazine Acaricide
Cyfluthrin	0.01	2	ND	ppm	Pyrethroid Insecticide
Cypermethrin	0.01	1	ND	ppm	Pyrethroid Insecticide, Veterinary substance
Daminozide	0.01	1	ND	ppm	Plant growth regulator
DDVP (Dichlorvos)	0.01	0.1	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Diazinon	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Repellent
Dimethoate	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Ethoprophos	0.01	0.2	ND	ppm	Insecticide, Nematicide
Etofenprox	0.01	0.4	ND	ppm	Pyrethroid Insecticide
Etoxazole	0.01	0.2	ND	ppm	Diphenyl oxazoline Acaricide
Fenoxycarb	0.01	0.2	ND	ppm	Carbamate Insecticide
Fenpyroximate	0.01	0.4	ND	ppm	Pyrazolium Acaricide, Insecticide
Fipronil	0.01	0.4	ND	ppm	Phenylpyrazole Insecticide
Flonicamid	0.01	1	ND	ppm	Pyridine Insecticide, Aphicide
Fludioxonil	0.01	0.4	ND	ppm	Phenylpyrrole Fungicide
Hexythiazox	0.01	1	ND	ppm	Carboxamide Acaricide



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Pesticides	LOQ	Action Level	Result	Units	Type
Imazalil	0.01	0.2	ND	ppm	Imidazole Fungicide
Methyl Parathion	0.01	0.2	ND	ppm	Organophosphate Insecticide
Imadacloprid	0.01	0.4	ND	ppm	Neonicotinoid Insecticide
Kresoxim-methyl	0.01	0.4	ND	ppm	Strobilurin Fungicide, Bactericide
Malathion	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Metalaxyl	0.01	0.2	ND	ppm	Phenylamide Fungicide
Methiocarb	0.01	0.2	ND	ppm	Carbamate Insecticide, Molluscicide, Bird repellent
Methornyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Metabolite
Myclobutanil	0.01	0.2	ND	ppm	Triazole Fungicide
Naled	0.01	0.5	ND	ppm	Organophosphate Insecticide, Acaricide
Oxamyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Nematicide
Pacllobutrazol	0.01	0.4	ND	ppm	Triazole Plant growth regulator; Fungicide
Permethrins	0.01	0.2	ND	ppm	Pyrethroid Insecticide
Phosmet	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Piperonyl butoxide	0.01	2	ND	ppm	Cyclic aromatic; Performance enhancer, Synergist
Prallethrin	0.01	0.2	ND	ppm	Synthetic pyrethroid Insecticide
Propiconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Propoxur	0.01	0.2	ND	ppm	Carbamate Insecticide, Acaricide
Pyrethrins	0.01	1	ND	ppm	Insecticide
Pyridaben	0.01	0.2	ND	ppm	Pyridazinone Insecticide, Acaricide
Spinosad	0.01	0.2	ND	ppm	Insecticide
Spiromesifen	0.01	0.2	ND	ppm	Tetronic acid Insecticide
Spiritramat	0.01	0.2	ND	ppm	Tetramic acid Insecticide
Spiroxamine	0.01	0.4	ND	ppm	Morpholine Fungicide
Tebuconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Thiacloprid	0.01	0.2	ND	ppm	Neonicotinoid Insecticide, Molluscicide
Thiamethoxam	0.01	0.2	ND	ppm	Neonicotinoid Insecticide
Trifloxystrobin	0.01	0.2	ND	ppm	Strobilurin Fungicide



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Residual solvent

	Action Level(ppm)	Pass/Fail	Results(ppm)
Propane	5000	N/A	ND
iso-Butane	5000	N/A	ND
n-Butane	5000	N/A	ND
neo-pentane	5000	Pass	12.60
Methanol	3000	N/A	ND
Ethylene-oxide	50	N/A	ND
iso-Pentane	5000	N/A	ND
Ethanol	5000	Pass	6.20
n-Pentane	5000	N/A	ND
Ethyl Ether	5000	N/A	ND
Acetone	5000	N/A	ND
2,2-Dimethylbutane	290	N/A	ND
2-Propanol	5000	N/A	ND
Acetonitrile	410	N/A	ND
Dichloromethane	600	N/A	ND
2-Methylpentane	290	N/A	ND
2,3-Dimethylbutane	290	N/A	ND
3-Methylpentane	290	N/A	ND
n-Hexane	290	N/A	ND
Ethyl acetate	5000	N/A	ND
2-Butanol	5000	N/A	ND
Tetrahydrofuran	720	N/A	ND
Cyclohexane	3880	N/A	ND
Isopropyl Acetate	5000	N/A	ND
Benzene	2	N/A	ND
Heptane	5000	N/A	ND
1,4-Dioxane	380	N/A	ND
2-Ethoxyethanol	160	Pass	5.68
Toluene	890	N/A	ND
Ethylbenzene	2170	N/A	ND
1,3-Dimethylbenzene	890	N/A	ND
1,4-Dimethylbenzene	2170	N/A	ND
1,2-Dimethylbenzene	2170	N/A	ND
Butanes	5000	N/A	ND
Hexanes	290	N/A	ND
Pentanes	5000	N/A	ND
Xylenes	2170	N/A	ND



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Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Reagent LOT ID # Dilution id factor#C filter id factor#C
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Mycotoxin Analysis-Analysis MethodSOP.T.30.060, SOP.T.40.060

Analyte#	Results#C	Analytical Batch:B810018	Action Level#C
Aflatoxin G2	ND		0.02
Ochratoxin A	ND		0.02
Aflatoxin B2	ND		0.02
Aflatoxin G1	ND		0.02
Aflatoxin B1	ND		0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Pathogens#	Results#C	Analytical Batch: B810019
Aspergillus fumigatus	Absent in 1 gram	
Aspergillus niger	Absent in 1 gram	
Aspergillus terreus	Absent in 1 gram	
Escherichia coli	Absent in 1 gram	
Salmonella	Absent in 1 gram	
Aspergillus flavus	Absent in 1 gram	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



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Pesticide Analysis-Analysis Method:SOP.T.30.060, SOP.T.40.060

solvent/reagent lot/ID #

Dilution factor #X

Analytical Batch :B8I0018

filter lot /ID #X

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

solvent/reagent lot/ID #

Dilution factor #X

Analytical Batch: B8I0025

filter lot /ID #X

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Metal	Result	Action-Level
Lead	0.201	0.5
Arsenic	ND	1.5
Mercury	ND	3
Cadmium	ND	0.5

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Analytical Batch :B8I0023



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