

## Sovereignty

3801 N Capital Of Texas Highway  
Austin, TX 78746  
crawford@sovereignty.co  
(512) 763-2005  
Lic. #

Sample:

METRC ID:

METRC Batch:

CC ID: 1909NCTL0424.2428

Strain: Zero Percent THC Distillate (Reduced Terpenes)  
Sample Received: 09/03/2019; Report Created: 09/07/2019



DSRT-01-003

Concentrates & Extracts, Other



## Cannabinoids by HPLC, NCTL SOP-104

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.2	<LOQ	<LOQ
Δ9-THC	0.2	0.2	2
Δ8-THC	0.2	<LOQ	<LOQ
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	<LOQ	<LOQ
CBD	0.2	84.1	841
CBDV	0.2	0.8	8
CBN	0.2	1.6	16
CBGa	0.2	<LOQ	<LOQ
CBG	0.2	1.1	11
CBC	0.2	3.2	32

## Potency by HPLC, NCTL SOP-104

<b>0.2%</b>	<b>84.1%</b>
Total THC	Total CBD

Date Tested: 09/06/2019  
Notes 2

## Summary

<b>Pass</b> Pesticides	<b>Complete</b> Residual Solvents	<b>Pass</b> Microbials	<b>Not Tested</b> NT Moisture
<b>Not Tested</b> NT Water Activity	<b>Pass</b> Heavy Metals	<b>Not Tested</b> Foreign Matter	<b>Not Tested</b> Mycotoxins

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## Pesticides by LCMSMS, NCTL SOP-102 Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPB	PPB	PPB	
Abamectin	50.000	50.000	<LOQ	Pass
Aldicarb	5.000	20.000	<LOQ	Pass
Bifenazate	30.000	20.000	<LOQ	Pass
Cyfluthrin	50.000	10.000	<LOQ	Pass
Daminozide	30.000	50.000	<LOQ	Pass
Diazinon	5.000	10.000	<LOQ	Pass
Dichlorvos	50.000	150.000	<LOQ	Pass
Dimethoate	5.000	10.000	<LOQ	Pass
Etoxazole	5.000	10.000	<LOQ	Pass
Fonicamid	30.000	30.000	<LOQ	Pass
Fludioxonil	10.000	10.000	<LOQ	Pass
Imidacloprid	5.000	20.000	<LOQ	Pass
Myclobutanil	50.000	50.000	<LOQ	Pass
Pacllobutrazol	5.000	10.000	<LOQ	Pass
Piperonyl Butoxide	5.000	1000.000	324.038	Pass
Pyrethrin 1	30.000	50.000	<LOQ	Pass
Spinosyn A	5.000	10.000	<LOQ	Pass
Spinosyn D	5.000	10.000	<LOQ	Pass
Spirotetramat	10.000	20.000	<LOQ	Pass
Thiamethoxam	5.000	20.000	<LOQ	Pass
Trifloxystrobin	5.000	10.000	<LOQ	Pass

## Microbials by 3M Petrifilm, NCTL SOP-101 Pass

Test Type	OAC-3796 Limit*	Mass	Status
	CFU/g	CFU/g	
Aerobic Bacteria	100000	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	1000	<LOQ	Pass
Coliforms	1000	<LOQ	Pass
E. Coli	1	<LOQ	Pass
Salmonella	1	<LOQ	Pass
Yeast & Mold	10000	<LOQ	Pass

## Heavy Metals by ICPMS, NCTL SOP-103 Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPM	PPM	PPM	
Arsenic	0.10	0.42	<LOQ	Pass
Cadmium	0.10	0.27	<LOQ	Pass
Lead	0.10	0.87	<LOQ	Pass
Mercury	0.10	0.87	<LOQ	Pass

## Mycotoxins by GCMS, NCTL SOP-105 Not Tested

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
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## Residual Solvents by GCMS, NCTL SOP-105 Complete

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPM	PPM	PPM	
1,1,1-Trichloro-Ethane	0.08		<LOQ	Tested
1,1-Dichloro-Ethane	0.08		<LOQ	Tested
1,2-Dichloro-Ethane	0.08		<LOQ	Tested
Acetone	43.00		<LOQ	Tested
Acetonitrile	43.00		<LOQ	Tested
Benzene	0.08		<LOQ	Tested
Butane	43.00		<LOQ	Tested
Carbon-Tetrachloride	0.08		<LOQ	Tested
Ethanol	43.00		<LOQ	Tested
Ethyl-Acetate	43.00		<LOQ	Tested
Ethyl-Ether	43.00		<LOQ	Tested
Heptane	43.00		<LOQ	Tested
Isopropanol	43.00		<LOQ	Tested
n-Hexane	43.00		<LOQ	Tested
Pentane	43.00		<LOQ	Tested
Propane	43.00		<LOQ	Tested
Toluene	43.00		<LOQ	Tested
Xylenes	43.00		<LOQ	Tested

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## Certificate of Analysis

Originating Entity:	Sovereignty
Originating License Number:	NA
Client Contact:	Jason Crawford
Sample Type:	Zero Percent THC Distillate
Date Received:	8/30/2019
Date of Report:	9/7/2019

Analysis Requested:	Full Pesticide Analysis
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### Pesticide Analysis

Name	Sample LOQ ppb	Final result ppb
Diaminodide	38.80	<LOQ
Acephate	3.88	<LOQ
Chlorpyrifos	3.88	<LOQ
Fipronil	23.28	<LOQ
Methomyl	7.76	<LOQ
Imidacloprid	7.76	<LOQ
Dimethoate	7.76	<LOQ
Mevinphos-1	7.76	<LOQ
Acetamiprid	3.88	<LOQ
Thiodiazinon	3.88	<LOQ
Alfathion-C2	3.88	<LOQ
Aldicarb	7.76	<LOQ
Alfathion-C1	3.88	<LOQ
Alfathion-B2	3.88	<LOQ
Dichlorvos	38.80	<LOQ
Propoxur	38.80	<LOQ
Alfathion-B1	3.88	<LOQ
Carbofuran	3.88	<LOQ
Carbaryl	15.52	<LOQ
Imidacloprid	23.28	<LOQ
Naled	7.76	<LOQ
Methidathion	38.80	<LOQ
Chlorpyrifos	38.80	<LOQ
Phosmet	15.52	<LOQ
Spiromesifen-1	7.76	<LOQ
Azinphosmethyl	3.88	<LOQ
Fluralaner	7.76	<LOQ
Boscalid	7.76	<LOQ
Fludiothionil	7.76	<LOQ
Mutarhion	38.80	<LOQ
Myclobutanil	38.80	<LOQ
Chlorantraniliprole	15.52	<LOQ
Bifenoxate	38.80	<LOQ
Nitrofen	15.52	<LOQ
Espinosad	23.28	<LOQ
Ethionphos	15.52	<LOQ
Fenoxystrobin	23.28	<LOQ
Kresoxim-methyl	7.76	<LOQ
Tribenidin	7.76	<LOQ
Spiromesifen A	3.88	<LOQ
Diazinon	3.88	<LOQ
Cyromazine	23.28	<LOQ
Cyflumetofen	38.80	<LOQ
Triphenylethylene	7.76	<LOQ
Spiromesifen D	3.88	<LOQ
Fipronil	77.59	<LOQ
Imidacloprid	7.76	<LOQ
Permethrin Butoxide	7.76	324.04
Chlorpyrifos	15.52	<LOQ
Hexythiazox	3.88	<LOQ
Etofenprox	7.76	<LOQ
Spiromesifen	77.59	<LOQ
Cyflumetofen	38.80	<LOQ
Fenprophosphor	23.28	<LOQ
Permethrin	38.80	<LOQ
Alfathion-B1a	15.52	<LOQ
Imidacloprid	38.80	<LOQ
Bifenoxate	77.59	<LOQ

\*NOTE: This method is used for screening only for Spiromesifen. If Spiromesifen is detected in the sample, further GC checks will be performed to report a non-estimated value

