

Sovereignty

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

Sample:

METRC ID:

METRC Batch:

CC ID: 1911NCTL0812.4499

Strain: CBG

Sample Received: 12/05/2019; Report Created: 12/10/2019



CBG Isolate

Concentrates & Extracts, Cannabinoid Isolate, Alcohol



ND
Total THC

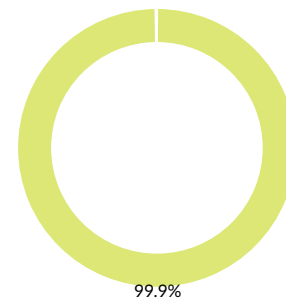
ND
Total CBD

Cannabinoids

by HPLC, NCTL SOP-104; Date Tested: 12/06/2019

■ CBG ■ CBDV

Analyte	LOQ	Mass	Mass
	%	%	mg/g
THCa	0.10	ND	ND
Δ9-THC	0.10	ND	ND
Δ8-THC	0.10	ND	ND
THCV	0.10	ND	ND
CBDa	0.10	ND	ND
CBD	0.10	ND	ND
CBDV	0.10	0.14	1.4
CBN	0.10	ND	ND
CBGa	0.10	ND	ND
CBG	0.10	97.45	974.5
CBC	0.10	ND	ND



Summary

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

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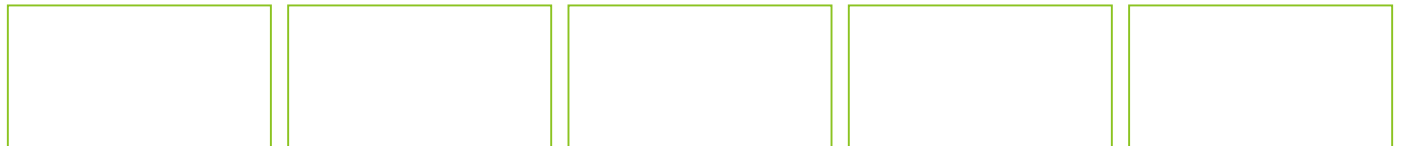
CBG Isolate

Concentrates & Extracts, Cannabinoid Isolate, Alcohol

Terpenes by GCMS, NCTL SOP-106

Analyte	LOQ	Mass	Mass	Analyte	LOQ	Mass	Mass
	%	%	mg/g		%	%	mg/g
α-Bisabolol	0.001	ND	ND	Fenchone	0.001	ND	ND
α-Cedrene	0.001	ND	ND	γ-Terpinene	0.001	ND	ND
α-Humulene	0.001	ND	ND	Geraniol	0.001	ND	ND
α-Phellandrene	0.001	ND	ND	Geranyl Acetate	0.001	ND	ND
α-Pinene	0.001	ND	ND	Guaiol	0.001	ND	ND
α-Terpinene	0.001	ND	ND	Isoborneol	0.001	ND	ND
α-Terpineol	0.001	ND	ND	Isopulegol	0.001	ND	ND
β-Caryophyllene	0.001	ND	ND	Linalool	0.001	ND	ND
β-Farnesene	0.001	ND	ND	Menthol	0.001	ND	ND
β-Myrcene	0.001	ND	ND	Nerol	0.001	ND	ND
β-Ocimene	0.001	ND	ND	Nerolidol	0.001	ND	ND
β-Pinene	0.001	ND	ND	(+)-Borneol	0.001	ND	ND
Camphene	0.001	ND	ND	(1R)-(+)-Camphor	0.001	ND	ND
Caryophyllene Oxide	0.001	ND	ND	Pulegone	0.001	ND	ND
Cedrol	0.001	ND	ND	p-Cymene	0.001	ND	ND
cis-Nerolidol	0.001	ND	ND	Sabinene Hydrate	0.001	ND	ND
δ-3-Carene	0.001	ND	ND	Sabinene	0.001	ND	ND
δ-Limonene	0.001	ND	ND	Terpinolene	0.001	ND	ND
Endo-Fenchyl Alcohol	0.001	ND	ND	Valencene	0.001	ND	ND
Eucalyptol	0.001	ND	ND				

Primary Aromas



Date Tested: 12/09/2019

North Coast Testing Laboratories, LLC
10100 Wellman Road
Streetsboro, OH 44241
(234) 212-1860
Lic# MMCPL00010



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Carolyn Friedrich, Ph.D
Scientific Director

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*Ohio OAC 3796 Limits. Water Activity by Water Activity Meter, NCTL SOP-108. Moisture by Moisture Analyzer, NCTL SOP-107. This product has been tested by North Coast Testing Laboratories, LLC (NCTL) in accordance with the laws of the State of Ohio. NCTL makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any analyte reported herein. Values reported relate only to the product tested. This Certificate shall not be reproduced, except in full, without the written consent of NCTL. Moisture by Moisture Analyzer, NCTL SOP-107. Samples collected by NCTL personnel were collected using sampling plan NCTL SOP-230, Marijuana Sampling.

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CBG Isolate

Concentrates & Extracts, Cannabinoid Isolate, Alcohol

Pesticides by LCMSMS, NCTL SOP-102 Pass

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPB	PPB	PPB	
Abamectin	50.000	50.000	ND	Pass
Aldicarb	5.000	20.000	ND	Pass
Bifenazate	30.000	20.000	ND	Pass
Cyfluthrin	50.000	10.000	ND	Pass
Daminozide	30.000	50.000	ND	Pass
Diazinon	5.000	10.000	ND	Pass
Dichlorvos	50.000	150.000	ND	Pass
Dimethoate	5.000	10.000	ND	Pass
Etoxazole	5.000	10.000	ND	Pass
Fonicamid	30.000	30.000	ND	Pass
Fludioxonil	10.000	10.000	ND	Pass
Imidacloprid	5.000	20.000	ND	Pass
Myclobutanil	50.000	50.000	ND	Pass
Pacllobutrazol	5.000	10.000	ND	Pass
Piperonyl Butoxide	5.000	100.000	ND	Pass
Pyrethrin 1	30.000	50.000	ND	Pass
Spinosyn A	5.000	10.000	ND	Pass
Spinosyn D	5.000	10.000	ND	Pass
Spirotetramat	10.000	20.000	ND	Pass
Thiamethoxam	5.000	20.000	ND	Pass
Trifloxystrobin	5.000	10.000	ND	Pass

Date Tested: 12/09/2019;

Mycotoxins by LCMSMS, NCTL SOP-102 Not Tested

Test Type	LOQ	OAC-3796 Limit*	Mass	Status

Date Tested:

Microbials by 3M Petrifilm, NCTL SOP-101 Not Tested

Test Type	OAC-3796 Limit*	Mass	Status

Date Tested ;

Heavy Metals by ICPMS, NCTL SOP-103 Pass

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

Date Tested: 12/09/2019;

Residual Solvents by GCMS, NCTL SOP-105 Complete

Test Type	LOQ	OAC-3796 Limit*	Mass	Status
	PPM	PPM	PPM	
1,1,1-Trichloro-Ethane	0.16		ND	Tested
1,1-Dichloro-Ethane	0.31		ND	Tested
1,2-Dichloro-Ethane	0.16		ND	Tested
Acetone	43.00		ND	Tested
Acetonitrile	43.00		ND	Tested
Benzene	0.16		ND	Tested
Butane	43.00		ND	Tested
Carbon-Tetrachloride	0.16		ND	Tested
Ethanol	43.00		ND	Tested
Ethyl-Acetate	43.00		ND	Tested
Ethyl-Ether	43.00		ND	Tested
Heptane	43.00		393.61	Tested
Isopropanol	43.00		ND	Tested
n-Hexane	43.00		ND	Tested
Pentane	43.00		ND	Tested
Propane	43.00		ND	Tested
Toluene	43.00		ND	Tested
Xylenes	43.00		ND	Tested

Date Tested: 12/06/2019;