



# Certificate of Analysis

Powered by Confident Cannabis

## Sovereignty

Austin, TX 78746  
 crawford@sovereignty.co  
 (512) 763-2005  
 Lic. #CBD

Sample: 2011DBL0008.10649  
 METRC Sample:

Strain: NA  
 Ordered: 11/02/2020; Sampled: 11/03/2020; Completed: 11/06/2020

## Energy CBG & CBD Blend

Ingestible, Other



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

### Terpenes

Analyzed by 300.13 GC/FID and GC/MS



0.188 mg/g  
 Total Terpenes

Compound	LOQ mg/g	Mass mg/g	Mass %	Relative Concentration
Linalool	0.120	0.188	0.0188	
α-Bisabolol	0.120	<LOQ	<LOQ	
α-Humulene	0.120	<LOQ	<LOQ	
α-Pinene	0.120	<LOQ	<LOQ	
α-Terpinene	0.120	<LOQ	<LOQ	
β-Caryophyllene	0.120	<LOQ	<LOQ	
β-Myrcene	0.120	<LOQ	<LOQ	
β-Pinene	0.120	<LOQ	<LOQ	
Camphene	0.120	<LOQ	<LOQ	
Caryophyllene Oxide	0.120	<LOQ	<LOQ	
cis-Nerolidol	0.078	<LOQ	<LOQ	
cis-Ocimene	0.078	<LOQ	<LOQ	
δ-3-Carene	0.120	<LOQ	<LOQ	
δ-Limonene	0.120	<LOQ	<LOQ	
Eucalyptol	0.120	<LOQ	<LOQ	
γ-Terpinene	0.120	<LOQ	<LOQ	
Guaiol	0.120	<LOQ	<LOQ	
Isopulegol	0.120	<LOQ	<LOQ	
p-Cymene	0.120	<LOQ	<LOQ	
Terpinolene	0.120	<LOQ	<LOQ	
trans-Nerolidol	0.042	<LOQ	<LOQ	
trans-Ocimene	0.042	<LOQ	<LOQ	

### Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA

Pass

<LOQ  
 Δ9-THC + Δ8-THC

154.468 mg/g  
 CBD

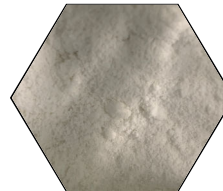
pH: NT  
 Aw: 0.15

193.288 mg/g  
 Total Cannabinoids

Not Tested  
 Homogeneity

Compound	LOQ mg/g	Mass mg/g	Mass %	Relative Concentration
CBC	0.472	<LOQ	<LOQ	
CBCa	0.472	<LOQ	<LOQ	
CBD	0.472	154.468	15.4468	
CBDa	0.472	<LOQ	<LOQ	
CBDV	0.472	<LOQ	<LOQ	
CBDVa	0.472	<LOQ	<LOQ	
CBG	0.472	38.820	3.8820	
CBGa	0.472	<LOQ	<LOQ	
CBL	0.472	<LOQ	<LOQ	
CBN	0.472	<LOQ	<LOQ	
Δ8-THC	0.472	<LOQ	<LOQ	
Δ9-THC	0.472	<LOQ	<LOQ	
THCa	0.472	<LOQ	<LOQ	
THCV	0.472	<LOQ	<LOQ	
THCVa	0.472	<LOQ	<LOQ	

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa \* 0.877 + CBD



*Stacy Gardalen*

Stacy Gardalen  
 Quality Control

*Glen Marquez*

Glen Marquez  
 Quality Control



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## Energy CBG & CBD Blend

Ingestible, Other



### Pesticides

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	200	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Paclbutrazol	10	400	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

### Microbials

Analyzed by 300.1 Plating/QPCR

Pass

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	1000	100000	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	100	1000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

### Mycotoxins

Analyzed by 300.2 Elisa

Pass

Mycotoxin	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	4.0	20.0	<LOQ	Pass
Ochratoxin A	2.0	20.0	12.8	Pass

### Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	46	2000	<LOQ	Pass
Cadmium	46	820	<LOQ	Pass
Lead	46	1200	<LOQ	Pass
Mercury	46	400	<LOQ	Pass

### Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	77	500	<LOQ	Pass
Ethanol	77		9691	Tested
Heptanes	77	500	<LOQ	Pass
Propane	77	500	<LOQ	Pass



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