



Certificate of Analysis

Powered by Confident Cannabis

Covalent CC, LLC

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 kelly@covalentcbd.com
 (702) 766-4367
 Lic. #

Sample: 2202DBL0189.1105

METRC Sample:
 Batch #: IN211001
 Lot #: IN211001

Strain: IN211001

Ordered: 02/21/2022; Sampled: 02/21/2022; Completed: 02/21/2022

CBN ISOLATE

Concentrates & Extracts, Cannabinoid Isolate



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

Terpenes

Analyzed by 300.13 GC/FID and GC/MS



<LOQ
 Total Terpenes

Compound	LOQ	Mass	Mass
	%	%	mg/g
α-Bisabolol	0.012	<LOQ	<LOQ
α-Humulene	0.012	<LOQ	<LOQ
α-Pinene	0.012	<LOQ	<LOQ
α-Terpinene	0.012	<LOQ	<LOQ
β-Caryophyllene	0.012	<LOQ	<LOQ
β-Myrcene	0.012	<LOQ	<LOQ
β-Pinene	0.012	<LOQ	<LOQ
Camphene	0.012	<LOQ	<LOQ
Caryophyllene Oxide	0.012	<LOQ	<LOQ
cis-Nerolidol	0.008	<LOQ	<LOQ
cis-Ocimene	0.008	<LOQ	<LOQ
δ-3-Carene	0.012	<LOQ	<LOQ
δ-Limonene	0.012	<LOQ	<LOQ
Eucalyptol	0.012	<LOQ	<LOQ
γ-Terpinene	0.012	<LOQ	<LOQ
Geraniol	0.012	<LOQ	<LOQ
Guaiol	0.012	<LOQ	<LOQ
Isopulegol	0.012	<LOQ	<LOQ
Linalool	0.012	<LOQ	<LOQ
p-Cymene	0.012	<LOQ	<LOQ
Terpinolene	0.012	<LOQ	<LOQ
trans-Nerolidol	0.004	<LOQ	<LOQ
trans-Ocimene	0.004	<LOQ	<LOQ

Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA



0.107%
 Total THC



<LOQ
 Total CBD



NT
 Moisture: Not Tested

99.900%
 Total Cannabinoids

Compound	LOQ	Mass	Mass	Relative Concentration
	%	%	mg/g	
CBC	0.050	<LOQ	<LOQ	
CBCa	0.050	<LOQ	<LOQ	
CBD	0.050	<LOQ	<LOQ	
CBDa	0.050	<LOQ	<LOQ	
CBDV	0.050	<LOQ	<LOQ	
CBDVa	0.050	<LOQ	<LOQ	
CBG	0.050	<LOQ	<LOQ	
CBGa	0.050	<LOQ	<LOQ	
CBL	0.050	<LOQ	<LOQ	
CBN	0.050	99.793	997.93	
Δ8-THC	0.050	0.107	1.07	
Δ9-THC	0.050	<LOQ	<LOQ	
THCa	0.050	<LOQ	<LOQ	
THCV	0.050	<LOQ	<LOQ	
THCVa	0.050	<LOQ	<LOQ	

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



Benjamin G.M. Chew
 Benjamin G.M. Chew, Ph.D.
 Laboratory Director

Glen Marquez
 Glen Marquez
 Quality Control



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Pesticides

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

Pass

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	0	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	0	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	0	<LOQ	Pass
Daminozide	10	0	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	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
Pacllobutrazol	10	0	<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	
Bile-Tolerant Gram-Negative Bacteria	9	100	<LOQ	Pass
Yeast & Mold	90	1000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
Aspergillus	Not Detected	Pass
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	9.2	Pass
Ochratoxin A	2.0	20.0	17.7	Pass

Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	65	2000	<LOQ	Pass
Cadmium	65	820	<LOQ	Pass
Lead	65	1200	<LOQ	Pass
Mercury	65	400	<LOQ	Pass

Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Butanes	75	500	<LOQ	Pass
Ethanol	75		96	Tested
Heptanes	75	500	<LOQ	Pass
Propane	75	500	<LOQ	Pass



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