



# CERTIFICATE OF ANALYSIS

PRODUCED: FEB 28, 2020

SAMPLE: GG4 BADDER (CONCENTRATE) // CLIENT: BLUEGILL COMPANIES // BATCH: PASS



**BATCH NO.:** BDR-101  
**MATRIX:** CONCENTRATE  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-200218-024  
**COLLECTED ON:** FEB 18, 2020  
**RECEIVED ON:** FEB 18, 2020  
**BATCH SIZE:** 2237 UNITS  
**SAMPLE SIZE:** 14 UNITS  
**PACKAGE SIZE:** 0.1 G

## CANNABINOID OVERVIEW

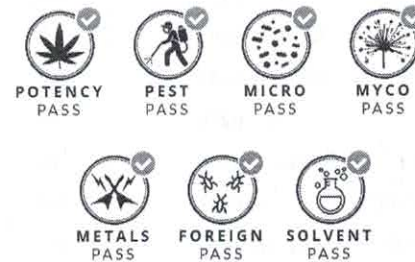
<b>TOTAL THC:</b>	67.09643954 %
<b>TOTAL CBD:</b>	0.0917342 %
<b>TOTAL CANNABINOIDS:</b>	78.9248 %

### MANUFACTURER INFO

**MANUFACTURER**  
 BLUEGILL INTEGRATED GEOPONICS II, LLC  
 22800 GANTT ROAD  
 CALIFORNIA CITY, CA 93505  
**LICENSE**  
 CDPH-10002906  
 ADULT-USE AND MEDICINAL - MANUFACTURING LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 BLUEGILL INTEGRATED GEOPONICS II, LLC  
 22800 GANTT ROAD  
 CALIFORNIA CITY, CA 93505  
**LICENSE**  
 C11-0000835-LIC  
 ADULT-USE AND MEDICINAL - DISTRIBUTOR LICENSE



### BCL-03: CANNABINOID POTENCY BY HPLC-UV // FEB 20, 2020

ANALYTE	AMOUNT	AMOUNT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.12467 %	1.2467 mg/g	0.025/0.1	N/A
CBCA	1.34065 %	13.4065 mg/g	0.025/0.1	N/A
CBD	ND	ND	0.025/0.1	N/A
CBDA	0.1046 %	1.046 mg/g	0.025/0.1	N/A
CBDV	ND	ND	0.025/0.1	N/A
CBDVA	ND	ND	0.025/0.1	N/A
CBG	0.3398 %	3.398 mg/g	0.025/0.1	N/A
CBGA	0.99651 %	9.9651 mg/g	0.025/0.1	N/A
CBN	0.06653 %	0.6653 mg/g	0.025/0.1	N/A
Δ <sup>8</sup> -THC	ND	ND	0.025/0.1	N/A
Δ <sup>9</sup> -THC	6.13089 %	61.3089 mg/g	0.025/0.1	N/A
THCA	69.51602 %	695.1602 mg/g	0.025/0.1	N/A
THCV	ND	ND	0.025/0.1	N/A
THCVA	0.30513 %	3.0513 mg/g	0.025/0.1	N/A
TOTAL THC **	67.09644 %	670.9644 mg/g		N/A
TOTAL CBD **	0.09173 %	0.9173 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	6.13 mg			PASS
TOTAL CBD/PKG **	0.09 mg			N/A
TOTAL THC/PKG **	67.10 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID

ANALYTE	AMOUNT	AMOUNT	PASS/FAIL
α-PINENE	NT	NT	N/A
CAMPHENE	NT	NT	N/A
β-PINENE	NT	NT	N/A
β-MYRCENE	NT	NT	N/A
Δ <sup>3</sup> -CARENE	NT	NT	N/A
α-TERPINENE	NT	NT	N/A
D-LIMONENE	NT	NT	N/A
P-CYMENE	NT	NT	N/A
α-OCIMENE	NT	NT	N/A
β-OCIMENE	NT	NT	N/A
γ-TERPINENE	NT	NT	N/A
TERPINOLENE	NT	NT	N/A
LINALOOL	NT	NT	N/A
ISOPULEGOL	NT	NT	N/A
GERANIOL	NT	NT	N/A
β-CARYOPHYLLENE	NT	NT	N/A
α-HUMULENE	NT	NT	N/A
CIS-NEROLIDOL	NT	NT	N/A
TRANS-NEROLIDOL	NT	NT	N/A
GUAIOL	NT	NT	N/A
α-BISABOLOL	NT	NT	N/A
1,8-CINEOLE	NT	NT	N/A

\*\* TOTAL THC = (THCA X 0.877) + THC  
 \*\* TOTAL CBD = (CBDA X 0.877) + CBD

ALL LQC SAMPLES REQUIRED BY SECTION 5730 OF CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISION 42 BUREAU OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: RON BROOKS, M.S.  
 SCIENTIFIC DIRECTOR, BELCOSTA LABS  
 FEB 28, 2020



## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // FEB 22, 2020

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.03/0.05	PASS	IMIDACLOPRID	5 µg/g	ND	0.03/0.05	PASS
ACEPHATE	0.1 µg/g	ND	0.03/0.05	PASS	KRESOXIM-METHYL	0.1 µg/g	ND	0.03/0.05	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.03/0.05	PASS	MALATHION	0.5 µg/g	ND	0.03/0.05	PASS
ACETAMIPRID	0.1 µg/g	ND	0.03/0.05	PASS	METALAXYL	2 µg/g	ND	0.03/0.05	PASS
ALDICARB	Any amount	ND	0.03/0.05	PASS	METHIOCARB	Any amount	ND	0.03/0.05	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.03/0.05	PASS	METHOMYL	1 µg/g	ND	0.03/0.05	PASS
BIFENAZATE	0.1 µg/g	ND	0.03/0.05	PASS	MEVINPHOS	Any amount	ND	0.03/0.05	PASS
BIFENTHRIN	3 µg/g	< LOQ	0.03/0.05	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.03/0.05	PASS
BOSCALID	0.1 µg/g	ND	0.03/0.05	PASS	NALED	0.1 µg/g	ND	0.03/0.05	PASS
CARBARYL	0.5 µg/g	ND	0.03/0.05	PASS	OXAMYL	0.5 µg/g	ND	0.03/0.05	PASS
CARBOFURAN	Any amount	ND	0.03/0.05	PASS	PACLOBUTRAZOL	Any amount	ND	0.03/0.05	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.03/0.05	PASS	PERMETHRIN	0.5 µg/g	<LOQ	0.03/0.05	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.03/0.05	PASS	PHOSMET	0.1 µg/g	ND	0.03/0.05	PASS
COUMAPHOS	Any amount	ND	0.03/0.05	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.03/0.05	PASS
DAMINOZIDE	Any amount	ND	0.03/0.05	PASS	PRALLETHRIN	0.1 µg/g	ND	0.03/0.05	PASS
DIAZINON	0.1 µg/g	ND	0.03/0.05	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.03/0.05	PASS
DIMETHOATE	Any amount	ND	0.03/0.05	PASS	PROPOXUR	Any amount	ND	0.03/0.05	PASS
DIMETHOMORPH	2 µg/g	ND	0.03/0.05	PASS	PYRETHRINS	0.5 µg/g	ND	0.03/0.05	PASS
ETHOPROPHOS	Any amount	ND	0.03/0.05	PASS	PYRIDABEN	0.1 µg/g	ND	0.03/0.05	PASS
ETOFENPROX	Any amount	ND	0.03/0.05	PASS	SPINETORAM	0.1 µg/g	ND	0.03/0.05	PASS
ETOXAZOLE	0.1 µg/g	ND	0.03/0.05	PASS	SPINOSAD	0.1 µg/g	ND	0.03/0.05	PASS
FENHEXAMID	0.1 µg/g	ND	0.03/0.05	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.03/0.05	PASS
FENOXYCARB	Any amount	ND	0.03/0.05	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.03/0.05	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.03/0.05	PASS	SPIROXAMINE	Any amount	ND	0.03/0.05	PASS
FIPRONIL	Any amount	ND	0.03/0.05	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.03/0.05	PASS
FLONICAMID	0.1 µg/g	ND	0.03/0.05	PASS	THIACLOPRID	Any amount	ND	0.03/0.05	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.03/0.05	PASS	THIAMETHOXAM	5 µg/g	ND	0.03/0.05	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.03/0.05	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.03/0.05	PASS
IMAZALIL	Any amount	ND	0.03/0.05	PASS					

## BCL-13: PESTICIDE TESTING BY GC/MS // FEB 25, 2020

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03/0.05	PASS	CYPERMETHRIN	1 µg/g	ND	0.03/0.05	PASS
CHLORDANE	Any amount	ND	0.03/0.05	PASS	DICHLORVOS	Any amount	ND	0.03/0.05	PASS
CHLORFENAPYR	Any amount	ND	0.03/0.05	PASS	METHYL PARATHION	Any amount	ND	0.03/0.05	PASS
CHLORPYRIFOS	Any amount	ND	0.03/0.05	PASS	PENTACHLORONITROBENZENE	0.1 µg/g	ND	0.03/0.05	PASS
CYFLUTHRIN	2 µg/g	ND	0.03/0.05	PASS					



**BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // FEB 22, 2020**

ANALYTE	LIMIT AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND 0.1/0.47	PASS
ACETONE	5000 µg/g	ND 0.0094/30	PASS
ACETONITRILE	410 µg/g	ND 0.1/30	PASS
BENZENE	1 µg/g	ND 0.12/0.46	PASS
BUTANE	5000 µg/g	< LOQ 0.0075/41	PASS
CHLOROFORM	1 µg/g	ND 0.058/0.48	PASS
ETHANOL	5000 µg/g	< LOQ 0.3/26	PASS
ETHYL ACETATE	5000 µg/g	ND 0.01/30	PASS
ETHYLENE OXIDE	1 µg/g	ND 0.021/0.42	PASS
ETHYL ETHER	5000 µg/g	ND 0.0087/33	PASS
HEPTANE	5000 µg/g	ND 0.0047/31	PASS
HEXANE	290 µg/g	< LOQ 0.0042/34	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND 0.08/31	PASS
METHANOL	3000 µg/g	ND 1.7/27	PASS
METHYLENE CHLORIDE	1 µg/g	ND 0.026/0.39	PASS
PENTANE	5000 µg/g	ND 0.0033/32	PASS
PROPANE	5000 µg/g	ND 0.09/47.4	PASS
TOLUENE	890 µg/g	ND 0.016/32	PASS
TRICHLOROETHYLENE	1 µg/g	ND 0.05/0.45	PASS
O-XYLENE		ND 0.032/22	N/A
P- AND M-XYLENE		ND 0.032/22	N/A
TOTAL XYLENES	2170 µg/g	ND 0.064/45	PASS

**BCL-020: HEAVY METAL TESTING BY ICP-MS // FEB 20, 2020**

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	ND	0.001/0.05	PASS
CADMIUM	0.2 µg/g	ND	0.0002/0.05	PASS
LEAD	0.5 µg/g	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

**BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // FEB 19, 2020**

ANALYTE	LIMIT	AMOUNT (%)	PASS/FAIL
CINDERS	25 %	ND	PASS
DIRT	25 %	ND	PASS
IMBEDDED FOREIGN MATERIAL	25 %	ND	PASS
INSECT FRAGMENTS	1 Unit	ND	PASS
MAMMAL EXCREMENT	1 Unit	ND	PASS
MOLD	25 %	ND	PASS
RODENT HAIR	1 Unit	ND	PASS
SAND	25 %	ND	PASS
SOIL	25 %	ND	PASS

**BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // FEB 22, 2020**

ANALYTE	LIMIT AMOUNT (CFU)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amount in 1 gram	ND PASS
ASPERGILLUS FUMIGATUS	Any amount in 1 gram	ND PASS
ASPERGILLUS NIGER	Any amount in 1 gram	ND PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND PASS
ESCHERICHIA COLI	Any amount in 1 gram	ND PASS
SALMONELLA SPP.	Any amount in 1 gram	ND PASS

**BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // FEB 22, 2020**

ANALYTE	LIMIT	AMOUNT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	1.476/4.472	N/A
AFLATOXIN B2		ND	1.683/5.101	N/A
AFLATOXIN G1		ND	1.559/4.723	N/A
AFLATOXIN G2		ND	1.585/4.804	N/A
AFLATOXINS	20 µg/kg	ND	6.303/19.1	PASS
OCHRATOXIN A	20 µg/kg	ND	3.312/10.037	PASS



