

CERTIFICATE OF ANALYSIS

PRODUCED: APR 08, 2021

SAMPLE: CONC CURED BADDER - HIGHLIGHTS - GRAM - ZKITTLEZ X KUSH MINTS (CONCENTRATE) // CLIENT: HUMMINGBIRD-VERDE LLC // BATCH: **PASS**



BATCH NO.: ZK032221B
MATRIX: CONCENTRATE
CATEGORY: INHALABLE
SAMPLE ID: BCL-210405-067
COLLECTED ON: APR 05, 2021
RECEIVED ON: APR 05, 2021
BATCH SIZE: 1098 UNITS
SAMPLE SIZE: 10 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	72.88813 %
TOTAL CBD:	0.12249 %
TOTAL CANNABINOIDS:	86.66546 %

MANUFACTURER INFO

MANUFACTURER
 HUMMINGBIRD-VERDE LLC
 1722 15TH ST
 OAKLAND, CA 94607

LICENSE
 CDPH-10003529
 ADULT-USE AND MEDICINAL -
 MANUFACTURING LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
 HUMMINGBIRD VERDE
 MANUFACTURING, LLC
 1545 WILLOW ST
 OAKLAND, CA 94607

LICENSE
 C11-0001266-LIC
 ADULT-USE AND MEDICINAL -
 DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // APR 07, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.022/0.4999	N/A
CBCA	1.48690 %	14.8690 mg/g	0.06299/0.4999	N/A
CBD	ND	ND	0.03099/0.4999	N/A
CBDA	0.13967 %	1.3967 mg/g	0.016/0.4999	N/A
CBDV	ND	ND	0.024/0.4999	N/A
CBDVA	ND	ND	0.016/0.4999	N/A
CBG	0.23105 %	2.3105 mg/g	0.02899/0.4999	N/A
CBGA	1.59578 %	15.9578 mg/g	0.02/0.4999	N/A
CBN	ND	ND	0.016/0.4999	N/A
Δ ⁸ -THC	ND	ND	0.05799/0.4999	N/A
Δ ⁹ -THC	1.74845 %	17.4845 mg/g	0.04199/0.4999	N/A
THCA	81.11708 %	811.1708 mg/g	0.02999/0.4999	N/A
THCV	ND	ND	0.03299/0.4999	N/A
THCVA	0.34653 %	3.4653 mg/g	0.023/0.4999	N/A
TOT THC **	72.88813 %	728.8813 mg/g		N/A
TOT CBD **	0.12249 %	1.2249 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	17.48 mg			PASS
TOT CBD/PKG **	1.22 mg			N/A
TOT THC/PKG **	728.88 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 07, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	3.58392 %	35.8392 mg/g		N/A
LINALOOL	0.84106 %	8.4106 mg/g	0.37055/139.80427	N/A
β-CARYOPHYLLENE	0.82578 %	8.2578 mg/g	1.91792/139.80427	N/A
α-HUMULENE	0.28627 %	2.8627 mg/g	0.46881/139.80427	N/A
β-MYRCENE	0.19744 %	1.9744 mg/g	0.38002/139.80427	N/A
β-PINENE	0.18291 %	1.8291 mg/g	2.26331/139.80427	N/A
GUAIOL	0.12738 %	1.2738 mg/g	2.73119/139.80427	N/A
D-LIMONENE	0.98290 %	9.8290 mg/g	0.25036/139.80427	N/A
α-PINENE	0.08326 %	0.8326 mg/g	0.21584/139.80427	N/A
CAMPHERE	0.02959 %	0.2959 mg/g	0.21712/139.80427	N/A
GERANIOL	0.02733 %	0.2733 mg/g	0.29131/139.80427	N/A
EUCALYPTOL	< LOQ	< LOQ	0.46809/139.80427	N/A
TERPINOLENE	< LOQ	< LOQ	0.29567/139.80427	N/A
Δ ³ -CARENE	ND	ND	0.46077/139.80427	N/A
γ-TERPINENE	ND	ND	0.47188/139.80427	N/A
β-OCIMENE	ND	ND	0.5005/96.46495	N/A
α-TERPINENE	ND	ND	0.30071/139.80427	N/A
ISOPULEGOL	ND	ND	0.54529/139.80427	N/A
α-OCIMENE	ND	ND	1.34977/43.33932	N/A
P-CYMENE	ND	ND	0.27245/139.80427	N/A
α-BISABOLOL	ND	ND	4.3594/139.80427	N/A

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

SAMPLE WAS TESTED AS RECEIVED. 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.
 LABORATORY DIRECTOR, BELCOSTA LABS
 APR 08, 2021



BCL-13: PESTICIDE TESTING BY GC/MS // APR 07, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.01977/0.06	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01199/0.03	N/A
CHLORDANE TRANS		ND	0.01082/0.03	N/A
CHLORFENAPYR	Any amt	ND	0.01364/0.06	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01653/0.06	PASS
DICHLORVOS	Any amt	ND	0.01165/0.06	PASS
METHYL PARATHION	Any amt	ND	0.00851/0.06	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01282/0.06	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 07, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
MALATHION	0.5 µg/g	ND	0.00472/0.02	PASS
METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
METHIOCARB	Any amt	ND	0.00503/0.02	PASS
METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00163/0.0084	N/A
MEVINPHOS II		ND	0.00542/0.0316	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
NALED	0.1 µg/g	ND	0.00328/0.02	PASS
OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00237/0.0082	N/A
PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
PIPERONYLBUTOXIDE	3 µg/g	ND	0.00247/0.02	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
PROPOXUR	Any amt	ND	0.00374/0.02	PASS
PYRETHRINS	0.5 µg/g	ND	0.00726/0.04	PASS
PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00329/0.016	N/A
SPINETORAM L		ND	0.00157/0.016	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00205/0.01438	N/A
SPINOSAD D		ND	0.00104/0.00498	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS



BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 07, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16551/0.57737	PASS
ACETONE	5000 µg/g	ND	18.62972/57.73672	PASS
ACETONITRILE	410 µg/g	ND	16.53195/57.73672	PASS
BENZENE	1 µg/g	ND	0.07313/0.57737	PASS
BUTANE	5000 µg/g	81.789	17.43264/57.73672	PASS
CHLOROFORM	1 µg/g	ND	0.16936/0.57737	PASS
ETHANOL	5000 µg/g	ND	14.29176/57.73672	PASS
ETHYL ACETATE	5000 µg/g	ND	17.64819/57.73672	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18476/0.57737	PASS
ETHYL ETHER	5000 µg/g	ND	15.54657/57.73672	PASS
HEPTANE	5000 µg/g	ND	13.60277/57.73672	PASS
HEXANE	290 µg/g	ND	20.94303/96.22787	PASS
ISOPROPYL ALCOHOL	5000 µg/g	100.658	14.43418/57.73672	PASS
METHANOL	3000 µg/g	ND	12.94457/57.73672	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14627/0.57737	PASS
PENTANE	5000 µg/g	ND	31.83218/96.22787	PASS
PROPANE	5000 µg/g	ND	16.44727/57.73672	PASS
TOLUENE	890 µg/g	ND	9.08776/57.73672	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07698/0.57737	PASS
O-XYLENE		ND	4.30331/28.86836	N/A
P- AND M-XYLENE		ND	3.98768/28.86836	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // APR 07, 2021

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.23/4	N/A
AFLATOXIN B2		ND	0.181/4	N/A
AFLATOXIN G1		ND	0.155/4	N/A
AFLATOXIN G2		ND	0.934/4	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.385/4	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 06, 2021

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

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 07, 2021

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

BCL-020: HEAVY METAL TESTING BY ICP-MS // APR 06, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	0.2 µg/g	< LOQ	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

