

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A CALIFORNIA COMPLIANCE CERTIFICATE.

PRODUCED: MAR 28, 2025

SAMPLE: ZB1 & ZB2 (FLOWER) // CLIENT: KALM // BATCH: PASS



BATCH NO.: 0325ZBC14
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-250324-005
COLLECTED ON: MAR 24, 2025
RECEIVED ON: MAR 24, 2025
SAMPLE SIZE: 10 G

CANNABINOID OVERVIEW

TOTAL THC:	0.26979 %
TOTAL CBD:	5.71703 %
TOTAL CANNABINOIDS ^{††} :	13.80480 %
SUM OF CANNABINOIDS [†] :	14.21447 %



BCL-03: CANNABINOID POTENCY BY HPLC-UV // MAR 26, 2025

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.41905 %	4.1905 mg/g	0.01069/0.243	N/A
CBCA	0.08728 %	0.8728 mg/g	0.03062/0.243	N/A
CBD	4.42040 %	44.2040 mg/g	0.01507/0.243	N/A
CBDA	1.47848 %	14.7848 mg/g	0.00778/0.243	N/A
CBDV	0.26095 %	2.6095 mg/g	0.01166/0.243	N/A
CBDVA	0.10527 %	1.0527 mg/g	0.00778/0.243	N/A
CBG	5.51365 %	55.1365 mg/g	0.01409/0.243	N/A
CBGA	1.65960 %	16.5960 mg/g	0.00972/0.243	N/A
CBN	ND	ND	0.00778/0.243	N/A
Δ ⁸ -THC	ND	ND	0.02819/0.243	N/A
Δ ⁹ -THC	0.26979 %	2.6979 mg/g	0.02041/0.243	N/A
THCA	ND	ND	0.01458/0.243	N/A
THCV	ND	ND	0.01604/0.243	N/A
THCVA	ND	ND	0.01118/0.243	N/A
TOT THC ^{**}	0.26979 %	2.6979 mg/g		N/A
TOT CBD ^{**}	5.71703 %	57.1703 mg/g		N/A

DRY-WEIGHT AMOUNTS SHOWN

** TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

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

† SUM OF CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG + CBGA + CBN + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

†† TOTAL CANNABINOIDS = (CBC + CBD + CBDV + CBG + CBN + DELTA-8-THC + DELTA-9-THC + THCV) + (0.877 * (CBCA + CBDA + CBDVA + CBGA + THCA + THCVA))

BCL-09: TERPENOID TESTING BY HS-GC/FID OUT OF SCOPE // MAR 28, 2025

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES				
β-MYRCENE				
TERPINOLENE				
β-CARYOPHYLLENE				
GUAIOL				
α-HUMULENE				
D-LIMONENE				
α-PINENE				
TRANS-β-OCIMENE				
β-PINENE				
γ-TERPINENE				
LINALOOL				
α-BISABOLOL				
α-TERPINENE				
CAMPHENE				
CIS-β-OCIMENE				
Δ ³ -CARENE				
EUCALYPTOL				
GERANIOL				
ISOPULEGOL				
P-CYMENE				

TOP SECRET



THIS IS OUR
"SECRET RECIPE"

SAMPLE WAS TESTED AS RECEIVED. THE RESULTS RELATE ONLY TO THE ITEMS TESTED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA. ALL DECISION RULES ARE ESTABLISHED BY THE DCC.

RESULTS CERTIFIED BY: DZOANA KLISARA, B.SC.
LABORATORY DIRECTOR, BELCOSTA LABS
MAR 28, 2025

Dzoana Klisara

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // MAR 26, 2025

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01972/0.0696	PASS	METHOMYL	1 µg/g	ND	0.00504/0.06042	PASS
ACEPHATE	0.1 µg/g	ND	0.00862/0.0606	PASS	MEVINPHOS	Any amt	ND		PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00784/0.06	PASS	MEVINPHOS I		ND	0.002/0.01877	N/A
ACETAMIPRID	0.1 µg/g	ND	0.00491/0.06042	PASS	MEVINPHOS II		ND	0.00532/0.04177	N/A
ALDICARB	Any amt	ND	0.01231/0.06042	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.00604/0.0603	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.0059/0.06048	PASS	NALED	0.1 µg/g	ND	0.00848/0.05994	PASS
BIFENAZATE	0.1 µg/g	ND	0.00876/0.0603	PASS	OXAMYL	0.5 µg/g	ND	0.0052/0.06036	PASS
BIFENTHRIN	3 µg/g	ND	0.00958/0.06	PASS	PACLOBUTRAZOL	Any amt	ND	0.00849/0.06036	PASS
BOSCALID	0.1 µg/g	ND	0.0171/0.0606	PASS	PERMETHRIN	0.5 µg/g	ND		PASS
CARBARYL	0.5 µg/g	ND	0.0079/0.0603	PASS	PERMETHRIN CIS		ND	0.0288/0.1021	N/A
CARBOFURAN	Any amt	ND	0.00227/0.06036	PASS	PERMETHRIN TRANS		ND	0.04398/0.15589	N/A
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.011/0.06054	PASS	PHOSMET	0.1 µg/g	ND	0.00607/0.06042	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.00507/0.0603	PASS	PIPERONYLBUTO-XIDE	3 µg/g	ND	0.00394/0.06012	PASS
COUMAPHOS	Any amt	ND	0.0193/0.0684	PASS	PRALLETHRIN	0.1 µg/g	ND	0.00818/0.06	PASS
CYFLUTHRIN	2 µg/g	ND	0.23945/0.8484	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.00485/0.0603	PASS
CYPERMETHRIN	1 µg/g	ND	0.07946/0.6	PASS	PROPOXUR	Any amt	ND	0.0072/0.06042	PASS
DAMINOZIDE	Any amt	ND	0.00625/0.0606	PASS	PYRETHRINS	0.5 µg/g	ND		PASS
DIAZINON	0.1 µg/g	ND	0.00536/0.0606	PASS	PYRETHRINS CINERIN I		ND	0.00693/0.02457	N/A
DIMETHOATE	Any amt	ND	0.00621/0.0606	PASS	PYRETHRINS CINERIN II		ND	0.00424/0.01502	N/A
DIMETHOMORPH	2 µg/g	ND		PASS	PYRETHRINS JASMOLIN I		ND	0.0017/0.01812	N/A
DIMETHOMORPH I		ND	0.00422/0.02545	N/A	PYRETHRINS JASMOLIN II		ND	0.00496/0.01812	N/A
DIMETHOMORPH II		ND	0.00229/0.03515	N/A	PYRETHRINS PYRETHRIN I		ND	0.02641/0.09362	N/A
ETHOPROPHOS	Any amt	ND	0.0085/0.0606	PASS	PYRETHRINS PYRETHRIN II		ND	0.018/0.0638	N/A
ETOFENPROX	Any amt	ND	0.00539/0.06054	PASS	PYRIDABEN	0.1 µg/g	ND	0.00906/0.0606	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00416/0.06036	PASS	SPINETORAM	0.1 µg/g	ND		PASS
FENHEXAMID	0.1 µg/g	ND	0.01569/0.0606	PASS	SPINETORAM J		ND	0.00681/0.0156	N/A
FENOXYCARB	Any amt	ND	0.00565/0.06048	PASS	SPINETORAM L		ND	0.00345/0.0444	N/A
FENPYROXIMATE	0.1 µg/g	ND	0.00671/0.06048	PASS	SPINOSAD	0.1 µg/g	ND		PASS
FIPRONIL	Any amt	ND	0.00911/0.0603	PASS	SPINOSAD A		ND	0.00558/0.04601	N/A
FLONICAMID	0.1 µg/g	ND	0.00275/0.0606	PASS	SPINOSAD D		ND	0.00123/0.01453	N/A
FLUDIOXONIL	0.1 µg/g	ND	0.02537/0.09	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.01985/0.0708	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00585/0.0606	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.00482/0.06054	PASS
IMAZALIL	Any amt	ND	0.00862/0.06036	PASS	SPIROXAMINE	Any amt	ND	0.00338/0.06018	PASS
IMIDACLOPRID	5 µg/g	ND	0.00851/0.06036	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.00726/0.0603	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00871/0.06036	PASS	THIACLOPRID	Any amt	ND	0.00497/0.0603	PASS
MALATHION	0.5 µg/g	ND	0.00764/0.0606	PASS	THIAMETHOXAM	5 µg/g	ND	0.00349/0.06036	PASS
METALAXYL	2 µg/g	ND	0.00379/0.06054	PASS	TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00529/0.0603	PASS
METHIOCARB	Any amt	ND	0.01182/0.06042	PASS					

BCL-13: PESTICIDE TESTING BY GC/MS // MAR 27, 2025

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03135/0.09493	PASS	CHLORPYRIFOS	Any amt	ND	0.01114/0.03385	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01174/0.03558	PASS
CHLORDANE CIS		ND	0.01108/0.03361	N/A	METHYL PARATHION	Any amt	ND	0.01347/0.04082	PASS

CHLORDANE TRANS		ND	0.01061/0.03206	N/A	PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.014/0.04249	PASS
CHLORFENAPYR	Any amt	ND	0.0239/0.07235	PASS					

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // MAR 26, 2025

ANALYTE		LIMIT	AMT (CFU/g)	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
SALMONELLA SPP.	Any amt in 1 gram	ND		PASS
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND		PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // MAR 25, 2025

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	< LOQ	0.0002/0.05	PASS
LEAD	0.5 µg/g	0.085	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // MAR 25, 2025

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		6.00	N/A

ACCREDITATIONS



- A2LA ACCREDITED**
- BCL-02: MOISTURE CONTENT BY GRAVIMETRY
 - BCL-020: HEAVY METAL TESTING BY ICP-MS
 - BCL-03: CANNABINOID POTENCY BY HPLC-UV
 - BCL-05: MYCOTOXIN TESTING BY LC-MS/MS
 - BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI

BCL-05: MYCOTOXIN TESTING BY LC-MS/MS // MAR 26, 2025

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	1.19/4.22	N/A
AFLATOXIN B2		ND	1.45/5.12	N/A
AFLATOXIN G1		ND	1.58/5.6	N/A
AFLATOXIN G2		ND	0.63/3	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.63/6	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAR 25, 2025

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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // MAR 26, 2025

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.53	PASS

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