

CERTIFICATE OF ANALYSIS

PRODUCED: APR 04, 2025

SAMPLE: MAC BERRY (PRE-ROLL) // CLIENT: PANDA SOLUTIONS // BATCH: PASS



BATCH NO.: MBPR021225
METRC UID: 1A406030001B2C5000006678
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-250401-101
COLLECTED ON: APR 01, 2025
RECEIVED ON: APR 01, 2025
BATCH/SAMPLE SIZE: 22700 UNITS / 32 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	25.55803 %
TOTAL CBD:	0.19065 %
TOTAL CANNABINOIDS ^{††} :	27.06782 %
SUM OF CANNABINOIDS [†] :	30.73129 %

MANUFACTURER INFO

MANUFACTURER
 CDXX VIRTUOSI GROUP LLC
 3201 SHANNON STREET
 SANTA ANA, CA 92704

LICENSE
 C12-0000319-LIC
 ADULT-USE - MICROBUSINESS LICENSE

DISTRIBUTOR INFO

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 CDXX VIRTUOSI GROUP LLC
 3201 SHANNON STREET
 SANTA ANA, CA 92704

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BCL-28: DETERMINATION OF CANNABINOIDS CONCENTRATION BY HPLC FOR DRIED FLOWER INCLUDING NON-INFUSED PRE-ROLLS // APR 03, 2025

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.04480 %	0.4480 mg/g	0.0044/0.09995	N/A
CBCA	0.37342 %	3.7342 mg/g	0.01259/0.09995	N/A
CBD	ND	ND	0.0062/0.09995	N/A
CBDA	0.21739 %	2.1739 mg/g	0.0032/0.09995	N/A
CBDV	ND	ND	0.0048/0.09995	N/A
CBDVA	ND	ND	0.0032/0.09995	N/A
CBG	0.08259 %	0.8259 mg/g	0.0058/0.09995	N/A
CBGA	0.71044 %	7.1044 mg/g	0.004/0.09995	N/A
CBN	0.01684 %	0.1684 mg/g	0.0032/0.09995	N/A
Δ ⁸ -THC	ND	ND	0.01159/0.09995	N/A
Δ ⁹ -THC	0.80275 %	8.0275 mg/g	0.0084/0.09995	N/A
THCA	28.22723 %	282.2723 mg/g	0.11994/1.999	N/A
THCV	ND	ND	0.0066/0.09995	N/A
THCVA	0.25583 %	2.5583 mg/g	0.0046/0.09995	N/A
TOT THC ^{**}	25.55803 %	255.5803 mg/g		N/A
TOT CBD ^{**}	0.19065 %	1.9065 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	8.03 mg			N/A
TOT THC/PKG ^{**}	255.58 mg			N/A
TOT CBD/PKG ^{**}	1.91 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 04, 2025

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.37258 %	13.7258 mg/g		N/A
D-LIMONENE	0.44985 %	4.4985 mg/g	0.00025/0.13818	N/A
β-CARYOPHYLLENE	0.27237 %	2.7237 mg/g	0.0019/0.13818	N/A
α-PINENE	0.18223 %	1.8223 mg/g	0.00021/0.13818	N/A
β-PINENE	0.13386 %	1.3386 mg/g	0.00224/0.13818	N/A
LINALOOL	0.10501 %	1.0501 mg/g	0.00037/0.13818	N/A
α-HUMULENE	0.07320 %	0.7320 mg/g	0.00046/0.13818	N/A
β-MYRCENE	0.06311 %	0.6311 mg/g	0.00038/0.13818	N/A
α-BISABOLOL	0.05548 %	0.5548 mg/g	0.00431/0.13818	N/A
TRANS-β-OCIMENE	0.02023 %	0.2023 mg/g	0.00049/0.09534	N/A
CAMPHERE	0.01724 %	0.1724 mg/g	0.00021/0.13818	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.13818	N/A
α-TERPINENE	ND	ND	0.0003/0.13818	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04283	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.13818	N/A
EUCALYPTOL	ND	ND	0.00046/0.13818	N/A
γ-TERPINENE	ND	ND	0.00047/0.13818	N/A
GERANIOL	ND	ND	0.00029/0.13818	N/A
GUAIOL	ND	ND	0.0027/0.13818	N/A
ISOPULEGOL	ND	ND	0.00054/0.13818	N/A
P-CYMENE	ND	ND	0.00027/0.13818	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))



REGULATORY COMPLIANCE TESTING

LABORATORY PERFORMED SAMPLING AS PER BCL-01 AT 3201 SHANNON STREET, SANTA ANA, CA 92704. 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
APR 04, 2025

Dzoana Klisara



BCL-13: PESTICIDE TESTING BY GC/MS // APR 03, 2025

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03072/0.09303	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01086/0.03294	N/A
CHLORDANE TRANS		ND	0.0104/0.03142	N/A
CHLORFENAPYR	Any amt	ND	0.02342/0.0709	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 03, 2025

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01972/0.0696	PASS
ACEPHATE	0.1 µg/g	ND	0.00862/0.0606	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00784/0.06	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00491/0.06042	PASS
ALDICARB	Any amt	ND	0.01231/0.06042	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.0059/0.06048	PASS
BIFENAZATE	0.1 µg/g	ND	0.00876/0.0603	PASS
BIFENTHRIN	3 µg/g	ND	0.00958/0.06	PASS
BOSCALID	0.1 µg/g	ND	0.0171/0.0606	PASS
CARBARYL	0.5 µg/g	ND	0.0079/0.0603	PASS
CARBOFURAN	Any amt	ND	0.00227/0.06036	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.011/0.06054	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.00507/0.0603	PASS
COUMAPHOS	Any amt	ND	0.0193/0.0684	PASS
CYFLUTHRIN	2 µg/g	ND	0.23945/0.8484	PASS
CYPERMETHRIN	1 µg/g	ND	0.07946/0.6	PASS
DAMINOZIDE	Any amt	ND	0.00625/0.0606	PASS
DIAZINON	0.1 µg/g	ND	0.00536/0.0606	PASS
DIMETHOATE	Any amt	ND	0.00621/0.0606	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00422/0.02545	N/A
DIMETHOMORPH II		ND	0.00229/0.03515	N/A
ETHOPROPHOS	Any amt	ND	0.0085/0.0606	PASS
ETOFENPROX	Any amt	ND	0.00539/0.06054	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00416/0.06036	PASS
FENHEXAMID	0.1 µg/g	ND	0.01569/0.0606	PASS
FENOXYCARB	Any amt	ND	0.00565/0.06048	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00671/0.06048	PASS
FIPRONIL	Any amt	ND	0.00911/0.0603	PASS
FLONICAMID	0.1 µg/g	ND	0.00275/0.0606	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.02537/0.09	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00585/0.0606	PASS
IMAZALIL	Any amt	ND	0.00862/0.06036	PASS
IMIDACLOPRID	5 µg/g	ND	0.00851/0.06036	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00871/0.06036	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01092/0.03317	PASS
DICHLORVOS	Any amt	ND	0.0115/0.03486	PASS
METHYL PARATHION	Any amt	ND	0.0132/0.04	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01372/0.04164	PASS
METHOMYL	1 µg/g	ND	0.00504/0.06042	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.002/0.01877	N/A
MEVINPHOS II		ND	0.00532/0.04177	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00604/0.0603	PASS
NALED	0.1 µg/g	ND	0.00848/0.05994	PASS
OXAMYL	0.5 µg/g	ND	0.0052/0.06036	PASS
PACLOBUTRAZOL	Any amt	ND	0.00849/0.06036	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.0288/0.1021	N/A
PERMETHRIN TRANS		ND	0.04398/0.15589	N/A
PHOSMET	0.1 µg/g	ND	0.00607/0.06042	PASS
PIPERONYLBUTO-XIDE	3 µg/g	ND	0.00394/0.06012	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00818/0.06	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.00485/0.0603	PASS
PROPOXUR	Any amt	ND	0.0072/0.06042	PASS
PYRETHRINS	0.5 µg/g	ND		PASS
PYRETHRINS CINERIN I		ND	0.00693/0.02457	N/A
PYRETHRINS CINERIN II		ND	0.00424/0.01502	N/A
PYRETHRINS JASMOLIN I		ND	0.0017/0.01812	N/A
PYRETHRINS JASMOLIN II		ND	0.00496/0.01812	N/A
PYRETHRINS PYRETHRIN I		ND	0.02641/0.09362	N/A
PYRETHRINS PYRETHRIN II		ND	0.018/0.0638	N/A
PYRIDABEN	0.1 µg/g	ND	0.00906/0.0606	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00681/0.0156	N/A
SPINETORAM L		ND	0.00345/0.0444	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00558/0.04601	N/A
SPINOSAD D		ND	0.00123/0.01453	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.01985/0.0708	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00482/0.06054	PASS
SPIROXAMINE	Any amt	ND	0.00338/0.06018	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00726/0.0603	PASS
THIACLOPRID	Any amt	ND	0.00497/0.0603	PASS



REGULATORY COMPLIANCE TESTING

MALATHION	0.5 µg/g	ND	0.00764/0.0606	PASS
METALAXYL	2 µg/g	ND	0.00379/0.06054	PASS
METHIOCARB	Any amt	ND	0.01182/0.06042	PASS

THIAMETHOXAM	5 µg/g	ND	0.00349/0.06036	PASS
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00529/0.0603	PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 04, 2025

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.1679/0.58571	PASS
ACETONE	5000 µg/g	ND	18.89887/58.57087	PASS
ACETONITRILE	410 µg/g	ND	16.77079/58.57087	PASS
BENZENE	1 µg/g	ND	0.07419/0.58571	PASS
BUTANE	5000 µg/g	ND	17.6845/58.57087	PASS
CHLOROFORM	1 µg/g	ND	0.17181/0.58571	PASS
ETHANOL	5000 µg/g	ND	14.49824/58.57087	PASS
ETHYL ACETATE	5000 µg/g	ND	17.90316/58.57087	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18743/0.58571	PASS
ETHYL ETHER	5000 µg/g	ND	15.77118/58.57087	PASS
HEPTANE	5000 µg/g	ND	13.7993/58.57087	PASS
HEXANE	290 µg/g	ND	21.24561/97.61812	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.64272/58.57087	PASS
METHANOL	3000 µg/g	< LOQ	13.13159/58.57087	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14838/0.58571	PASS
PENTANE	5000 µg/g	ND	32.29207/97.61812	PASS
PROPANE	5000 µg/g	ND	16.68489/58.57087	PASS
TOLUENE	890 µg/g	ND	9.21906/58.57087	PASS
TRICHLOROETHY-LENE	1 µg/g	ND	0.07809/0.58571	PASS
O-XYLENE		ND	4.36548/29.28544	N/A
P- AND M-XYLENE		ND	4.04529/29.28544	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 02, 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-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 03, 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-05: MYCOTOXIN TESTING BY LC-MS/MS // APR 03, 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-020: HEAVY METAL TESTING BY ICP-MS // APR 02, 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	0.494	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // APR 02, 2025

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.50	N/A

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // APR 02, 2025

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.59	PASS



ACCREDITATIONS



A2LA ACCREDITED

BCL-02: MOISTURE CONTENT BY GRAVIMETRY

BCL-020: HEAVY METAL TESTING BY ICP-MS

BCL-05: MYCOTOXIN TESTING BY LC-MS/MS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY

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

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM

BCL-13: PESTICIDE TESTING BY GC/MS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS

