

CERTIFICATE OF ANALYSIS

PRODUCED: OCT 31, 2022

SAMPLE: OG KUSH BREATH - BUDS (FLOWER) // CLIENT: MJ VERDANT // BATCH: PASS



BATCH NO.: 1A405030001F979000004109
TEST PKG: 1A405030001F979000004115
SRC PKG: 1A405030001F979000004109
MATRIX: FLOWER
SAMPLE ID: CAM-221027-099
COLLECTED ON: OCT 27, 2022
RECEIVED ON: OCT 27, 2022
BATCH/SAMPLE SIZE: 14527 G / 72.79 G
SAMPLED BY: MITCH TAPLIN
RECEIVED BY: MITCH TAPLIN

CANNABINOID OVERVIEW

THCA:	16.7 %
CBGA:	0.39 %
TOTAL CANNABINOIDS:	17.4 %

CULTIVATOR INFO

CULTIVATOR
MJ VERDANT

LICENSE
AU-G-C-000520
ADULT-USE - CLASS C MARIHUANA
GROWER

BATCH RESULT: PASS

POTENCY	TESTED	PESTICIDES	PASS
FOREIGN	PASS	TERPENES	TESTED
METALS	PASS	WATER	PASS
MICROBIAL	PASS		

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // OCT 31, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC		ND	ND	0.0517/0.172	N/A	Δ ⁸ -THC		ND	ND	0.0578/0.193	N/A
CBD		ND	ND	0.109/0.363	N/A	Δ ⁹ -THC	0.205 %	2.05 mg/g	0.102/0.340	N/A	
CBDA	0.0245 %	0.245 mg/g		0.142/0.474	N/A	THCA	16.7 %	167 mg/g	0.0883/0.294	N/A	
CBDV		ND	ND	0.0673/0.224	N/A	THCV		ND	0.0699/0.233	N/A	
CBG	0.0885 %	0.885 mg/g		0.0576/0.192	N/A	TOTAL THC **	14.9 %	149 mg/g		N/A	
CBGA	0.385 %	3.85 mg/g		0.0328/0.109	N/A	TOTAL CBD **	0.0215 %	0.215 mg/g		N/A	
CBN		ND	ND	0.0848/0.283	N/A						

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

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

TRP-013: TERPENE ANALYSIS BY GC-MS // OCT 31, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	1.607 %		N/A	α-TERPINENE	ND	0.500/1.000	N/A
TRANS-CARYOPHYLLENE	0.757 %	0.500/1.000	N/A	CAMPHENE	ND	0.500/1.000	N/A
LIMONENE	0.232 %	0.500/1.000	N/A	CAMPHOR	ND	0.500/1.000	N/A
α-HUMULENE	0.207 %	0.500/1.000	N/A	CEDROL	ND	0.500/1.000	N/A
α-BISABOLOL	0.126 %	0.500/1.000	N/A	CIS-NEROLIDOL	ND	0.500/1.000	N/A
LINALOOL *	0.098 %	0.500/1.000	N/A	Δ ³ -CARENE	ND	0.500/1.000	N/A
TRANS-NEROLIDOL	0.051 %	0.500/1.000	N/A	EUCALYPTOL	ND	0.500/1.000	N/A
α-TERPINEOL	0.031 %	0.500/1.000	N/A	γ-TERPINENE	ND	0.500/1.000	N/A
β-PINENE	0.026 %	0.500/1.000	N/A	GERANYL ACETATE	ND	0.500/1.000	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.022 %	0.500/1.000	N/A	GUAIOL	ND	0.500/1.000	N/A
α-PINENE	0.016 %	0.500/1.000	N/A	ISOBORNEOL	ND	0.500/1.000	N/A
β-MYRCENE	0.014 %	0.500/1.000	N/A	ISOPULEGOL	ND	0.500/1.000	N/A
CARYOPHYLLENE OXIDE	0.014 %	0.500/1.000	N/A	PULEGONE	ND	0.500/1.000	N/A
CIS-β-OCIMENE	0.013 %	0.500/1.000	N/A	SABINENE	ND	0.500/1.000	N/A
BORNEOL *	ND		N/A	SABINENE HYDRATE	ND	0.500/1.000	N/A
DL-MENTHOL *	ND		N/A	TERPINOLENE	ND	0.500/1.000	N/A
(+)-FENCHONE	ND	0.500/1.000	N/A	TRANS-β-OCIMENE	ND	0.500/1.000	N/A
α-CEDRENE	ND	0.500/1.000	N/A	VALENCENE	ND	0.500/1.000	N/A
α-PHELLANDRENE	ND	0.500/1.000	N/A				

* BEYOND SCOPE OF ACCREDITATION

REGULATORY COMPLIANCE TESTING

THIS REPORT MAY NOT BE REPRODUCED EXCEPT IN FULL WITHOUT APPROVAL FROM CAMBIUM ANALYTICA. THE RESULTS HEREIN RELATE ONLY TO THE SAMPLE & BATCH IDENTIFIED IN THIS REPORT.
SAMPLED IN ACCORDANCE TO SMP-SOP-001 // SAMPLING PROCEDURE.



RESULTS CERTIFIED BY: VERNON LALONE
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
OCT 31, 2022

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
OCT 31, 2022



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // OCT 31, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	5.860/19.600	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
METHYL PARATHION	0.2 µg/g	ND	2.990/10.000	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // OCT 31, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	67.200/224.000	PASS
ACEPHATE	0.4 µg/g	ND	15.800/52.800	PASS
ACEQUINOCYL	2 µg/g	ND	27.400/91.300	PASS
ACETAMIPRID	0.2 µg/g	ND	14.100/46.900	PASS
ALDICARB	0.4 µg/g	ND	41.300/138.000	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.200/34.000	PASS
BIFENAZATE	0.2 µg/g	ND	24.400/81.300	PASS
BIFENTHRIN	0.2 µg/g	ND	14.200/47.200	PASS
BOSCALID	0.4 µg/g	ND	12.400/40.600	PASS
CARBARYL	0.2 µg/g	ND	11.700/39.100	PASS
CARBOFURAN	0.2 µg/g	ND	10.400/34.700	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	23.900/79.800	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.000/80.100	PASS
CLOFENTEZINE	0.2 µg/g	ND	19.600/65.400	PASS
CYFLUTHRIN	1 µg/g	ND	37.700/126.000	PASS
CYPERMETHRIN	1 µg/g	ND	27.000/89.900	PASS
DAMINOZIDE	1 µg/g	ND	23.300/77.500	PASS
DIAZINON	0.2 µg/g	ND	18.100/60.400	PASS
DICHLORVOS	1 µg/g	ND	12.200/40.800	PASS
DIMETHOATE	0.2 µg/g	ND	11.900/39.700	PASS
ETHOPROPHOS	0.2 µg/g	ND	18.600/62.000	PASS
ETOFENPROX	0.4 µg/g	ND	14.000/46.600	PASS
ETOXAZOLE	0.2 µg/g	ND	13.200/43.900	PASS
FENOXYCARB	0.2 µg/g	ND	19.500/64.900	PASS
FENPYROXIMATE	0.4 µg/g	ND	42.800/143.000	PASS
FIPRONIL	0.4 µg/g	ND	43.900/146.000	PASS
FLONICAMID	1 µg/g	ND	21.600/72.100	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.700/35.700	PASS
HEXYTHIAZOX	1 µg/g	ND	27.500/91.600	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.100/50.300	PASS
IMIDACLOPRID	0.4 µg/g	ND	33.000/110.000	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	11.500/38.500	PASS
MALATHION	0.2 µg/g	ND	15.200/50.700	PASS
METALAXYL	0.2 µg/g	ND	17.100/57.000	PASS
METHIOCARB	0.2 µg/g	ND	13.500/44.900	PASS
METHOMYL	0.4 µg/g	ND	9.180/30.600	PASS
MGK-264	0.2 µg/g	ND	18.700/62.300	PASS
MYCLOBUTANIL	0.2 µg/g	ND	19.200/64.000	PASS
NALED	0.5 µg/g	ND	22.400/74.600	PASS
OXAMYL	1 µg/g	ND	34.300/114.000	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	35.300/118.000	PASS
PERMETHRIN	0.2 µg/g	ND	36.800/123.000	PASS
PHOSMET	0.2 µg/g	ND	23.300/77.600	PASS
PRALLETHRIN	0.2 µg/g	ND	36.200/121.000	PASS
PROPICONAZOLE	0.4 µg/g	ND	39.400/131.000	PASS
PROPOXUR	0.2 µg/g	ND	11.300/37.700	PASS
PYRETHRINS	1 µg/g	ND	19.500/65.000	PASS
PYRIDABEN	0.2 µg/g	ND	25.400/84.800	PASS
SPINOSAD	0.2 µg/g	ND	5.740/19.100	PASS
SPINOSAD A		ND	6.210/20.700	N/A
SPINOSAD D		ND	2.340/7.790	N/A
SPIROMESIFEN	0.2 µg/g	ND	14.200/47.400	PASS
SPIROTETRAMAT	0.2 µg/g	ND	34.600/115.000	PASS
SPIROXAMINE	0.4 µg/g	ND	12.000/39.800	PASS
TEBUCONAZOLE	0.4 µg/g	ND	36.600/122.000	PASS
THIACLOPRID	0.2 µg/g	ND	15.100/50.200	PASS
THIAMETHOXAM	0.2 µg/g	ND	13.300/44.400	PASS
TRIFLOXYSTROBIN	0.2 µg/g	ND	18.200/60.800	PASS



TYM-014, TYM-028: TOTAL YEAST AND MOLD // OCT 31, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	19,200 CFU/g	PASS

COL-027: TOTAL COLIFORMS // OCT 31, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	ND	PASS

ASP-029: ASPERGILLUS SPP. // OCT 31, 2022

ANALYTE	LIMIT	AMT (CFU/g)	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

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND	PASS

SAL-030: SALMONELLA // OCT 31, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS

STEC-030: SHIGA TOXIN PRODUCING E. COLI // OCT 31, 2022

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

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // OCT 28, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	ND	0.045/0.500	PASS
CADMIUM	0.4 µg/g	0.002 µg/g	0.026/0.500	PASS
CHROMIUM	1.2 µg/g	0.015 µg/g	0.027/0.500	PASS
COPPER		7.660 µg/g	0.045/0.500	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	0.005 µg/g	0.017/0.500	PASS
MERCURY	0.2 µg/g	0.003 µg/g	0.004/0.050	PASS
NICKEL	1 µg/g	0.024 µg/g	0.027/0.500	PASS

AWA-09: WATER ACTIVITY // OCT 28, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.390 Aw	PASS

FOR-07: FOREIGN MATTER ANALYSIS // OCT 28, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	1.000 %	PASS



ACCREDITATIONS



ILAC-MRA



ISO/IEC 17025

ILAC-MRA, PJLA ACCREDITED**PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS**

ABAMECTIN, ABAMECTIN BA, ABAMECTIN BB, ACEPHATE, ACEQUINOCYL, ACETAMIPRID, ALDICARB, AZOXYSTROBIN, BIFENAZATE, BIFENTHRIN, BOSCALID, CARBARYL, CARBOFURAN, CHLORANTRANILIPROLE, CHLORFENAPYR, CHLORPYRIFOS, CLOFENTEZINE, CYFLUTHRIN, CYPERMETHRIN, DAMINOZIDE, DIAZINON, DICHLORVOS, DIMETHOATE, ETHOPROPHOS, ETOFENPROX, ETOXAZOLE, FENOXYCARB, FENPYROXIMATE, FIPRONIL, FLONICAMID, FLUDIOXONIL, HEXYTHIAZOX, IMAZALIL, IMIDACLOPRID, KRESOXIM-METHYL, MGK-264, MALATHION, MALATHION A, METALAXYL, METHIOCARB, METHOMYL, METHYL PARATHION, MYCLOBUTANIL, NALED, OXAMYL, PACLOBUTRAZOL, PERMETHRIN, PERMETHRIN CIS, PERMETHRIN TRANS, PHOSMET, PRALLETHRIN, PROPICONAZOLE, PROPOXUR, PYRETHRINS, PYRETHRINS CINERIN I, PYRETHRINS CINERIN I-3, PYRETHRINS JASMOLIN I, PYRETHRINS JASMOLIN I-3, PYRETHRINS PYRETHRIN I, PYRIDABEN, SPINOSAD, SPINOSAD A, SPINOSAD D, SPIROMESIFEN, SPIROTETRAMAT, SPIROXAMINE, TEBUCONAZOLE, THIACTOPRID, THIAMETHOXAM, TRIFLOXYSTROBIN

TRP-013: TERPENE ANALYSIS BY GC-MS

(+)-FENCHONE, (1R)-ENDO-(+)-FENCHYL ALCOHOL, CAMPHENE, CAMPHOR, CARYOPHYLLENE OXIDE, CEDROL, DELTA-3-CARENE, EUCALYPTOL, FENCHOL, GERANIOL, GERANYL ACETATE, GUAJOL, ISOBORNEOL, ISOPULEGOL, LIMONENE, NEROLIDOL, OCIMENE, PHELLANDRENE, PULEGONE, SABINENE, SABINENE HYDRATE, TERPINEOL 3, TERPINOLENE, VALENCENE, ALPHA-BISABOLOL, ALPHA-CEDRENE, ALPHA-HUMULENE, ALPHA-PHELLANDRENE, ALPHA-PINENE, ALPHA-TERPINENE, BETA-MYRCENE, BETA-PINENE, CIS-NEROLIDOL, CIS-BETA-OCIMENE, GAMMA-TERPINENE, TRANS-CARYOPHYLLENE, TRANS-NEROLIDOL, TRANS-BETA-OCIMENE, ALPHA-TERPINEOL

POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD

CBD, CBDA, DELTA-9-THC, THCA, CBDV, THCV, CBG, CBGA, CBN, DELTA-8-THC, CBC, DELTA-8 + DELTA-9-THC, TOTAL CBD, TOTAL THC

MET-05: HEAVY METALS ANALYSIS BY ICP-MS

ARSENIC, CADMIUM, CHROMIUM, COPPER, LEAD, MERCURY, NICKEL

FOR-07: FOREIGN MATTER ANALYSIS

INORGANIC MATTER, ORGANIC MATTER, STEMS

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS

CHLORFENAPYR, METHYL PARATHION

AWA-09: WATER ACTIVITY

WATER ACTIVITY

