

CERTIFICATE OF ANALYSIS

PRODUCED: NOV 01, 2021

SAMPLE: BUDS - GARLIC COOKIES (101121) (FLOWER) // CLIENT: MJ VERDANT // BATCH: PASS



BATCH NO.: 1A405030001F979000000016
METRC TAG: 1A405030001F9790000000020
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: CAM-211027-056
COLLECTED ON: OCT 27, 2021
RECEIVED ON: OCT 27, 2021
BATCH/SAMPLE SIZE: 14441.00 G / 75.57 G
SAMPLED BY: NELSON BAARSTAD
RECEIVED BY: NELSON BAARSTAD

CANNABINOID OVERVIEW

THCA:	30.5 %
Δ⁹-THC:	0.91 %
TOTAL CANNABINOIDS:	32.24 %

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 // NOV 01, 2021

ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
CBC		ND	0.0517/0.172	N/A	Δ ⁸ -THC		ND	0.0578/0.193	N/A
CBD		ND	0.109/0.363	N/A	Δ ⁹ -THC		0.907 %	0.102/0.34	N/A
CBDA		ND	0.142/0.474	N/A	THCA		30.5 %	0.0883/0.294	N/A
CBDV		ND	0.0673/0.224	N/A	THCV		ND	0.0699/0.233	N/A
CBG	0.0220 %		0.0576/0.192	N/A	TOTAL THC **		27.7 %		N/A
CBGA	0.806 %		0.0328/0.109	N/A	TOTAL CBD **		ND		N/A
CBN		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/HS // OCT 29, 2021

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	2.480 %		N/A	γ-TERPINENE	0.002 %	0.5/1	N/A
TRANS-CARYOPHYLLENE	0.749 %	0.5/1	N/A	α-PHELLANDRENE	0.002 %	0.5/1	N/A
LIMONENE	0.574 %	0.5/1	N/A	SABINENE HYDRATE	0.001 %	0.5/1	N/A
β-MYRCENE	0.513 %	0.5/1	N/A	SABINENE	ND	0.5/1	N/A
α-HUMULENE	0.181 %	0.5/1	N/A	PULEGONE	ND	0.5/1	N/A
α-BISABOLOL	0.075 %	0.5/1	N/A	(+)-FENCHONE	ND	0.5/1	N/A
ISOBORNEOL	0.074 %	0.5/1	N/A	Δ ³ -CARENE	ND	0.5/1	N/A
LINALOOL *	0.061 %	0.5/1	N/A	ISOPULEGOL	ND	0.5/1	N/A
β-PINENE	0.060 %	0.5/1	N/A	GUAIOL	ND	0.5/1	N/A
α-PINENE	0.052 %	0.5/1	N/A	GERANYL ACETATE	ND	0.5/1	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.047 %	0.5/1	N/A	EUCALYPTOL	ND	0.5/1	N/A
TRANS-NEROLIDOL	0.031 %	0.5/1	N/A	CIS-NEROLIDOL	ND	0.5/1	N/A
TERPINOLENE	0.020 %	0.5/1	N/A	CEDROL	ND	0.5/1	N/A
CAMPHENE	0.014 %	0.5/1	N/A	CAMPHOR	ND	0.5/1	N/A
CARYOPHYLLENE OXIDE	0.009 %	0.5/1	N/A	α-TERPINENE	ND	0.5/1	N/A
CIS-β-OCIMENE	0.009 %	0.5/1	N/A	α-CEDRENE	ND	0.5/1	N/A
TRANS-β-OCIMENE	0.006 %	0.5/1	N/A	VALENCENE	ND	0.5/1	N/A

* BEYOND SCOPE OF ACCREDITATION

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.

REGULATORY COMPLIANCE TESTING



RESULTS CERTIFIED BY: XIN YAN
LABORATORY DIRECTOR, CAMBIUM ANALYTICA
NOV 01, 2021

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
NOV 01, 2021

Xin Yan

Jim



PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // OCT 29, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	74.2/247	PASS	IMAZALIL	0.2 µg/g	ND	16.6/55.3	PASS
ACEPHATE	0.4 µg/g	ND	17.4/58.1	PASS	IMIDACLOPRID	0.4 µg/g	ND	36.3/121	PASS
ACEQUINOCYL	2 µg/g	ND	30.2/101	PASS	KRESOXIM-METHYL	0.4 µg/g	ND	12.7/42.3	PASS
ACETAMIPRID	0.2 µg/g	ND	15.5/51.6	PASS	MALATHION	0.2 µg/g	ND	16.7/55.8	PASS
ALDICARB	0.4 µg/g	ND	45.4/151	PASS	METALAXYL	0.2 µg/g	ND	18.8/62.7	PASS
AZOXYSTROBIN	0.2 µg/g	ND	11.2/37.4	PASS	METHIOCARB	0.2 µg/g	ND	14.8/49.4	PASS
BIFENAZATE	0.2 µg/g	ND	26.8/89.5	PASS	METHOMYL	0.4 µg/g	ND	10.1/33.7	PASS
BIFENTHRIN	0.2 µg/g	ND	15.6/51.9	PASS	MGK-264	0.2 µg/g	ND	20.6/68.6	PASS
BOSCALID	0.4 µg/g	ND	13.7/44.7	PASS	MYCLOBUTANIL	0.2 µg/g	ND	21.1/70.4	PASS
CARBARYL	0.2 µg/g	ND	12.9/43.1	PASS	NALED	0.5 µg/g	ND	24.6/82.1	PASS
CARBOFURAN	0.2 µg/g	ND	11.4/38.1	PASS	OXAMYL	1 µg/g	ND	37.7/126	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	26.3/87.8	PASS	PACLOBUTRAZOL	0.4 µg/g	ND	38.8/129	PASS
CHLORFENAPYR	1 µg/g	ND	12.9/43.1	PASS	PERMETHRIN	0.2 µg/g	ND	40.5/135	PASS
CHLORPYRIFOS	0.2 µg/g	ND	26.5/88.1	PASS	PHOSMET	0.2 µg/g	ND	25.6/85.4	PASS
CLOFENTEZINE	0.2 µg/g	ND	21.6/71.9	PASS	PRALLETHRIN	0.2 µg/g	ND	39.8/133	PASS
CYFLUTHRIN	1 µg/g	ND	41.4/138	PASS	PROPICONAZOLE	0.4 µg/g	ND	43.4/145	PASS
CYPERMETHRIN	1 µg/g	ND	29.7/98.9	PASS	PROPOXUR	0.2 µg/g	ND	12.4/41.5	PASS
DAMINOZIDE	1 µg/g	ND	25.6/85.3	PASS	PYRETHRINS	1 µg/g	ND	21.5/71.5	PASS
DIAZINON	0.2 µg/g	ND	19.9/66.5	PASS	PYRIDABEN	0.2 µg/g	ND	28/93.3	PASS
DICHLORVOS	1 µg/g	ND	13.4/44.8	PASS	SPINOSAD	0.2 µg/g	ND	6.31/21.1	PASS
DIMETHOATE	0.2 µg/g	ND	13.1/43.7	PASS	SPINOSAD A		ND	6.84/22.7	N/A
ETHOPROPHOS	0.2 µg/g	ND	20.5/68.2	PASS	SPINOSAD D		ND	2.58/8.57	N/A
ETOFENPROX	0.4 µg/g	ND	15.4/51.3	PASS	SPIROMESIFEN	0.2 µg/g	ND	15.6/52.2	PASS
ETOXAZOLE	0.2 µg/g	ND	14.5/48.3	PASS	SPIROTETRAMAT	0.2 µg/g	ND	38/127	PASS
FENOXYCARB	0.2 µg/g	ND	21.4/71.4	PASS	SPIROXAMINE	0.4 µg/g	ND	13.1/43.8	PASS
FENPYROXIMATE	0.4 µg/g	ND	47.1/157	PASS	TEBUCONAZOLE	0.4 µg/g	ND	40.3/134	PASS
FIPRONIL	0.4 µg/g	ND	48.3/161	PASS	THIACLOPRID	0.2 µg/g	ND	16.6/55.2	PASS
FLONICAMID	1 µg/g	ND	23.8/79.3	PASS	THIAMETHOXAM	0.2 µg/g	ND	14.7/48.9	PASS
FLUDIOXONIL	0.4 µg/g	ND	11.8/39.2	PASS	TRIFLOXYSTROB-IN	0.2 µg/g	ND	20.1/66.8	PASS
HEXYTHIAZOX	1 µg/g	ND	30.2/101	PASS					

PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // OCT 29, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	6.44/21.6	PASS	METHYL PARATHION	0.2 µg/g	ND	3.29/11	PASS



COL-027: TOTAL COLIFORMS // OCT 28, 2021

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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // OCT 29, 2021

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

SAL-030: SALMONELLA // OCT 29, 2021

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // OCT 31, 2021

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	5,610.000 CFU/g	PASS

ASP-029: ASPERGILLUS SPP. // NOV 01, 2021

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

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // OCT 28, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	ND	0.0448/0.5	PASS	LEAD	1 µg/g	0.002 µg/g	0.0169/0.5	PASS
CADMIUM	0.4 µg/g	0.001 µg/g	0.0256/0.5	PASS	MERCURY	0.2 µg/g	0.003 µg/g	0.00439/0.05	PASS
CHROMIUM	1.2 µg/g	0.020 µg/g	0.0274/0.5	PASS	NICKEL	1 µg/g	ND	0.0271/0.5	PASS
COPPER		2.880 µg/g	0.0446/0.5	N/A					

AWA-09: WATER ACTIVITY // OCT 28, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.491 Aw	PASS

FOR-07: FOREIGN MATTER ANALYSIS // OCT 28, 2021

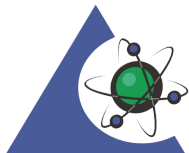
ANALYTE	LIMIT	AMT (%)	PASS/FAIL	ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS	STEMS	5 %	1.000 %	PASS
ORGANIC MATTER	2 %	ND	PASS				



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/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

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

