

CERTIFICATE OF ANALYSIS

PRODUCED: NOV 14, 2022

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



BATCH NO.: 1A405030001F979000004447
TEST PKG: 1A405030001F979000004459
SRC PKG: 1A405030001F979000004447
MATRIX: FLOWER
SAMPLE ID: CAM-221109-023
COLLECTED ON: NOV 09, 2022
RECEIVED ON: NOV 09, 2022
BATCH/SAMPLE SIZE: 21528 G / 108.38 G
SAMPLED BY: STEVEN RUDZINSKI
RECEIVED BY: STEVEN THOMAS RUDZINSKI

CANNABINOID OVERVIEW

THCA:	23.7 %
CBGA:	0.9 %
TOTAL CANNABINOIDS:	25.06 %

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 11, 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	0.234 %	2.34 mg/g	0.102/0.340	N/A	
CBDA	0.0446 %	0.446 mg/g		0.142/0.474	N/A	THCA	23.7 %	237 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	0.177 %	1.77 mg/g		0.0576/0.192	N/A	TOTAL THC **	21.0 %	210 mg/g		N/A	
CBGA	0.904 %	9.04 mg/g		0.0328/0.109	N/A	TOTAL CBD **	0.0391 %	0.391 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 // NOV 11, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES *	1.438 %		N/A	CARYOPHYLLENE OXIDE	ND	0.500/1.000	N/A
LIMONENE	0.557 %	0.500/1.000	N/A	CEDROL	ND	0.500/1.000	N/A
TRANS-CARYOPHYLLENE	0.229 %	0.500/1.000	N/A	CIS-β-OCIMENE	ND	0.500/1.000	N/A
β-MYRCENE	0.187 %	0.500/1.000	N/A	CIS-NEROLIDOL	ND	0.500/1.000	N/A
α-HUMULENE	0.086 %	0.500/1.000	N/A	Δ³-CARENE	ND	0.500/1.000	N/A
β-PINENE	0.081 %	0.500/1.000	N/A	EUCALYPTOL	ND	0.500/1.000	N/A
LINALOOL *	0.078 %	0.500/1.000	N/A	γ-TERPINENE	ND	0.500/1.000	N/A
α-TERPINEOL	0.069 %	0.500/1.000	N/A	GERANYL ACETATE	ND	0.500/1.000	N/A
α-PINENE	0.049 %	0.500/1.000	N/A	GUAIOL	ND	0.500/1.000	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.046 %	0.500/1.000	N/A	ISOBORNEOL	ND	0.500/1.000	N/A
α-BISABOLOL	0.043 %	0.500/1.000	N/A	ISOPULEGOL	ND	0.500/1.000	N/A
CAMPHENE	0.013 %	0.500/1.000	N/A	PULEGONE	ND	0.500/1.000	N/A
BORNEOL *	ND		N/A	SABINENE	ND	0.500/1.000	N/A
DL-MENTHOL *	ND		N/A	SABINENE HYDRATE	ND	0.500/1.000	N/A
(+)-FENCHONE	ND	0.500/1.000	N/A	TERPINOLENE	ND	0.500/1.000	N/A
α-CEDRENE	ND	0.500/1.000	N/A	TRANS-β-OCIMENE	ND	0.500/1.000	N/A
α-PHELLANDRENE	ND	0.500/1.000	N/A	TRANS-NEROLIDOL	ND	0.500/1.000	N/A
α-TERPINENE	ND	0.500/1.000	N/A	VALENCENE	ND	0.500/1.000	N/A
CAMPHOR	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
NOV 14, 2022

RESULTS CERTIFIED BY: DOUGLAS SMITH
CHIEF SCIENTIST, CAMBIUM ANALYTICA
NOV 14, 2022



PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // NOV 11, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	6.170/20.600	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
METHYL PARATHION	0.2 µg/g	ND	3.150/10.600	PASS

PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // NOV 11, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	70.800/236.000	PASS
ACEPHATE	0.4 µg/g	ND	16.700/55.600	PASS
ACEQUINOCYL	2 µg/g	ND	28.900/96.200	PASS
ACETAMIPRID	0.2 µg/g	ND	14.800/49.400	PASS
ALDICARB	0.4 µg/g	ND	43.400/145.000	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.700/35.800	PASS
BIFENAZATE	0.2 µg/g	ND	25.700/85.600	PASS
BIFENTHRIN	0.2 µg/g	ND	14.900/49.700	PASS
BOSCALID	0.4 µg/g	ND	13.100/42.800	PASS
CARBARYL	0.2 µg/g	ND	12.400/41.200	PASS
CARBOFURAN	0.2 µg/g	ND	10.900/36.500	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	25.200/84.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	25.300/84.300	PASS
CLOFENTEZINE	0.2 µg/g	ND	20.700/68.800	PASS
CYFLUTHRIN	1 µg/g	ND	39.700/132.000	PASS
CYPERMETHRIN	1 µg/g	ND	28.400/94.600	PASS
DAMINOZIDE	1 µg/g	ND	24.500/81.600	PASS
DIAZINON	0.2 µg/g	ND	19.100/63.600	PASS
DICHLORVOS	1 µg/g	ND	12.900/42.900	PASS
DIMETHOATE	0.2 µg/g	ND	12.600/41.800	PASS
ETHOPROPHOS	0.2 µg/g	ND	19.600/65.200	PASS
ETOFENPROX	0.4 µg/g	ND	14.700/49.100	PASS
ETOXAZOLE	0.2 µg/g	ND	13.900/46.200	PASS
FENOXYCARB	0.2 µg/g	ND	20.500/68.300	PASS
FENPYROXIMATE	0.4 µg/g	ND	45.000/150.000	PASS
FIPRONIL	0.4 µg/g	ND	46.200/154.000	PASS
FLONICAMID	1 µg/g	ND	22.800/75.900	PASS
FLUDIOXONIL	0.4 µg/g	ND	11.300/37.500	PASS
HEXYTHIAZOX	1 µg/g	ND	28.900/96.400	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.900/52.900	PASS
IMIDACLOPRID	0.4 µg/g	ND	34.800/116.000	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	12.200/40.500	PASS
MALATHION	0.2 µg/g	ND	16.000/53.400	PASS
METALAXYL	0.2 µg/g	ND	18.000/60.000	PASS
METHIOCARB	0.2 µg/g	ND	14.200/47.300	PASS
METHOMYL	0.4 µg/g	ND	9.660/32.200	PASS
MGK-264	0.2 µg/g	ND	19.700/65.600	PASS
MYCLOBUTANIL	0.2 µg/g	ND	20.200/67.400	PASS
NALED	0.5 µg/g	ND	23.600/78.500	PASS
OXAMYL	1 µg/g	ND	36.100/120.000	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	37.200/124.000	PASS
PERMETHRIN	0.2 µg/g	ND	38.700/129.000	PASS
PHOSMET	0.2 µg/g	ND	24.500/81.700	PASS
PRALLETHRIN	0.2 µg/g	ND	38.100/127.000	PASS
PROPICONAZOLE	0.4 µg/g	ND	41.500/138.000	PASS
PROPOXUR	0.2 µg/g	ND	11.900/39.700	PASS
PYRETHRINS	1 µg/g	ND	20.500/68.400	PASS
PYRIDABEN	0.2 µg/g	ND	26.800/89.300	PASS
SPINOSAD	0.2 µg/g	ND	6.040/20.200	PASS
SPINOSAD A		ND	6.540/21.800	N/A
SPINOSAD D		ND	2.470/8.200	N/A
SPIROMESIFEN	0.2 µg/g	ND	15.000/49.900	PASS
SPIROTETRAMAT	0.2 µg/g	ND	36.400/121.000	PASS
SPIROXAMINE	0.4 µg/g	ND	12.600/41.900	PASS
TEBUCONAZOLE	0.4 µg/g	ND	38.600/129.000	PASS
THIACLOPRID	0.2 µg/g	ND	15.900/52.800	PASS
THIAMETHOXAM	0.2 µg/g	ND	14.000/46.800	PASS
TRIFLOXYSTROBIN	0.2 µg/g	ND	19.200/64.000	PASS



ASP-029: ASPERGILLUS SPP. // NOV 11, 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

STEC-030: SHIGA TOXIN PRODUCING E. COLI // NOV 11, 2022

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

COL-027: TOTAL COLIFORMS // NOV 11, 2022

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

SAL-030: SALMONELLA // NOV 11, 2022

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

TYM-014, TYM-028: TOTAL YEAST AND MOLD // NOV 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	2,000 CFU/g	PASS

MET-05: HEAVY METALS ANALYSIS BY ICP-MS // NOV 10, 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	0.009 µg/g	0.026/0.500	PASS
CHROMIUM	1.2 µg/g	0.012 µg/g	0.027/0.500	PASS
COPPER		9.750 µg/g	0.045/0.500	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	0.004 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	0.016 µg/g	0.027/0.500	PASS

AWA-09: WATER ACTIVITY // NOV 10, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.398 Aw	PASS

FOR-07: FOREIGN MATTER ANALYSIS // NOV 10, 2022

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

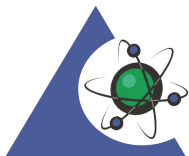
ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	1.000 %	PASS



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, METHIACARB, 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

