

# CERTIFICATE OF ANALYSIS

PRODUCED: SEP 20, 2022

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



**BATCH NO.:** 1A405030001F979000003380  
**TEST PKG:** 1A405030001F979000003389  
**SRC PKG:** 1A405030001F979000003380  
**MATRIX:** FLOWER  
**SAMPLE ID:** CAM-220916-107  
**COLLECTED ON:** SEP 16, 2022  
**RECEIVED ON:** SEP 16, 2022  
**BATCH/SAMPLE SIZE:** 3243 G / 16.67 G  
**SAMPLED BY:** MICHAEL MEINDERTSMA  
**RECEIVED BY:** MICHAEL MEINDERTSMA

## CANNABINOID OVERVIEW

<b>THCA:</b>	<b>26.8 %</b>
<b>CBGA:</b>	<b>1.02 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>27.84 %</b>

## CULTIVATOR INFO

**CULTIVATOR**  
MJ VERDANT

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

## BATCH RESULT: PASS

<b>POTENCY</b>	TESTED	<b>PESTICIDES</b>	PASS
<b>FOREIGN</b>	PASS	<b>TERPENES</b>	TESTED
<b>METALS</b>	PASS	<b>WATER</b>	PASS
<b>MICROBIAL</b>	PASS		

## POT-01: CANNABINOID POTENCY ANALYSIS BY HPLC-DAD // SEP 20, 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 <sup>8</sup> -THC		ND	ND	0.0578/0.193	N/A
CBD		ND	ND	0.109/0.363	N/A	Δ <sup>9</sup> -THC		ND	ND	0.102/0.340	N/A
CBDA		ND	ND	0.142/0.474	N/A	THCA	26.8 %	268 mg/g		0.0883/0.294	N/A
CBDV		ND	ND	0.0673/0.224	N/A	THCV		ND	ND	0.0699/0.233	N/A
CBG	0.0220 %	0.22 mg/g		0.0576/0.192	N/A	<b>TOTAL THC **</b>	23.5 %	235 mg/g			N/A
CBGA	1.02 %	10.2 mg/g		0.0328/0.109	N/A	<b>TOTAL CBD **</b>		ND	ND		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 // SEP 20, 2022

ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	AMT (%)	LOD/LOQ (µg/g)	PASS/FAIL
<b>TOTAL TERPENES *</b>	1.030 %		N/A	α-TERPINENE	ND	0.500/1.000	N/A
LIMONENE	0.399 %	0.500/1.000	N/A	CAMPHOR	ND	0.500/1.000	N/A
TRANS-CARYOPHYLLENE	0.127 %	0.500/1.000	N/A	CARYOPHYLLENE OXIDE	ND	0.500/1.000	N/A
α-PINENE	0.091 %	0.500/1.000	N/A	CEDROL	ND	0.500/1.000	N/A
CIS-β-OCIMENE	0.082 %	0.500/1.000	N/A	CIS-NEROLIDOL	ND	0.500/1.000	N/A
β-MYRCENE	0.081 %	0.500/1.000	N/A	Δ <sup>3</sup> -CARENE	ND	0.500/1.000	N/A
β-PINENE	0.080 %	0.500/1.000	N/A	EUCALYPTOL	ND	0.500/1.000	N/A
GUAIOL	0.048 %	0.500/1.000	N/A	γ-TERPINENE	ND	0.500/1.000	N/A
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.035 %	0.500/1.000	N/A	GERANYL ACETATE	ND	0.500/1.000	N/A
α-HUMULENE	0.032 %	0.500/1.000	N/A	ISOBORNEOL	ND	0.500/1.000	N/A
LINALOOL *	0.027 %	0.500/1.000	N/A	ISOPULEGOL	ND	0.500/1.000	N/A
TRANS-NEROLIDOL	0.016 %	0.500/1.000	N/A	PULEGONE	ND	0.500/1.000	N/A
CAMPHENE	0.012 %	0.500/1.000	N/A	SABINENE	ND	0.500/1.000	N/A
(+)-FENCHONE	ND	0.500/1.000	N/A	SABINENE HYDRATE	ND	0.500/1.000	N/A
α-BISABOLOL	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	VALENCENE	ND	0.500/1.000	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: VERNON LALONE  
LABORATORY DIRECTOR, CAMBIUM ANALYTICA  
SEP 20, 2022

RESULTS CERTIFIED BY: DOUGLAS SMITH  
CHIEF SCIENTIST, CAMBIUM ANALYTICA  
SEP 20, 2022



## PGC-03: CHEMICAL RESIDUE ANALYSIS BY GC-MS/MS // SEP 20, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
CHLORFENAPYR	1 µg/g	ND	5.950/19.900	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
METHYL PARATHION	0.2 µg/g	ND	3.040/10.200	PASS

## PLC-02: CHEMICAL RESIDUE ANALYSIS BY LC-MS/MS // SEP 20, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND	68.300/228.000	PASS
ACEPHATE	0.4 µg/g	ND	16.100/53.600	PASS
ACEQUINOCYL	2 µg/g	ND	27.800/92.800	PASS
ACETAMIPRID	0.2 µg/g	ND	14.300/47.700	PASS
ALDICARB	0.4 µg/g	ND	41.900/140.000	PASS
AZOXYSTROBIN	0.2 µg/g	ND	10.300/34.500	PASS
BIFENAZATE	0.2 µg/g	ND	24.800/82.600	PASS
BIFENTHRIN	0.2 µg/g	ND	14.400/47.900	PASS
BOSCALID	0.4 µg/g	ND	12.600/41.300	PASS
CARBARYL	0.2 µg/g	ND	11.900/39.800	PASS
CARBOFURAN	0.2 µg/g	ND	10.600/35.200	PASS
CHLORANTRANIL-IPROLE	0.2 µg/g	ND	24.300/81.000	PASS
CHLORPYRIFOS	0.2 µg/g	ND	24.400/81.400	PASS
CLOFENTEZINE	0.2 µg/g	ND	19.900/66.400	PASS
CYFLUTHRIN	1 µg/g	ND	38.300/128.000	PASS
CYPERMETHRIN	1 µg/g	ND	27.400/91.300	PASS
DAMINOZIDE	1 µg/g	ND	23.600/78.700	PASS
DIAZINON	0.2 µg/g	ND	18.400/61.300	PASS
DICHLORVOS	1 µg/g	ND	12.400/41.400	PASS
DIMETHOATE	0.2 µg/g	ND	12.100/40.400	PASS
ETHOPROPHOS	0.2 µg/g	ND	18.900/62.900	PASS
ETOFENPROX	0.4 µg/g	ND	14.200/47.400	PASS
ETOXAZOLE	0.2 µg/g	ND	13.400/44.600	PASS
FENOXYCARB	0.2 µg/g	ND	19.800/65.900	PASS
FENPYROXIMATE	0.4 µg/g	ND	43.400/145.000	PASS
FIPRONIL	0.4 µg/g	ND	44.600/149.000	PASS
FLONICAMID	1 µg/g	ND	22.000/73.200	PASS
FLUDIOXONIL	0.4 µg/g	ND	10.900/36.200	PASS
HEXYTHIAZOX	1 µg/g	ND	27.900/93.000	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	0.2 µg/g	ND	15.300/51.000	PASS
IMIDACLOPRID	0.4 µg/g	ND	33.500/112.000	PASS
KRESOXIM-METHYL	0.4 µg/g	ND	11.700/39.100	PASS
MALATHION	0.2 µg/g	ND	15.400/51.500	PASS
METALAXYL	0.2 µg/g	ND	17.400/57.800	PASS
METHIOCARB	0.2 µg/g	ND	13.700/45.600	PASS
METHOMYL	0.4 µg/g	ND	9.320/31.100	PASS
MGK-264	0.2 µg/g	ND	19.000/63.300	PASS
MYCLOBUTANIL	0.2 µg/g	ND	19.500/65.000	PASS
NALED	0.5 µg/g	ND	22.700/75.800	PASS
OXAMYL	1 µg/g	ND	34.800/116.000	PASS
PACLOBUTRAZOL	0.4 µg/g	ND	35.800/119.000	PASS
PERMETHRIN	0.2 µg/g	ND	37.400/125.000	PASS
PHOSMET	0.2 µg/g	ND	23.600/78.800	PASS
PRALLETHRIN	0.2 µg/g	ND	36.700/123.000	PASS
PROPICONAZOLE	0.4 µg/g	ND	40.000/133.000	PASS
PROPOXUR	0.2 µg/g	ND	11.500/38.300	PASS
PYRETHRINS	1 µg/g	ND	19.800/66.000	PASS
PYRIDABEN	0.2 µg/g	ND	25.800/86.100	PASS
SPINOSAD	0.2 µg/g	ND	5.830/19.400	PASS
SPINOSAD A		ND	6.310/21.000	N/A
SPINOSAD D		ND	2.380/7.910	N/A
SPIROMESIFEN	0.2 µg/g	ND	14.400/48.200	PASS
SPIROTETRAMAT	0.2 µg/g	ND	35.100/117.000	PASS
SPIROXAMINE	0.4 µg/g	ND	12.100/40.500	PASS
TEBUCONAZOLE	0.4 µg/g	ND	37.200/124.000	PASS
THIACLOPRID	0.2 µg/g	ND	15.300/51.000	PASS
THIAMETHOXAM	0.2 µg/g	ND	13.500/45.100	PASS
TRIFLOXYSTROB-IN	0.2 µg/g	ND	18.500/61.700	PASS



**TYM-014, TYM-028: TOTAL YEAST AND MOLD // SEP 19, 2022**

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	94,000 CFU/g	PASS

**COL-027: TOTAL COLIFORMS // SEP 20, 2022**

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

**ASP-029: ASPERGILLUS SPP. // SEP 20, 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 // SEP 20, 2022**

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

**STEC-030: SHIGA TOXIN PRODUCING E. COLI // SEP 20, 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 // SEP 19, 2022**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	0.4 µg/g	0.003 µg/g	0.045/0.500	PASS
CADMIUM	0.4 µg/g	0.001 µg/g	0.026/0.500	PASS
CHROMIUM	1.2 µg/g	0.015 µg/g	0.027/0.500	PASS
COPPER		5.780 µg/g	0.045/0.500	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	1 µg/g	0.003 µg/g	0.017/0.500	PASS
MERCURY	0.2 µg/g	0.004 µg/g	0.004/0.050	PASS
NICKEL	1 µg/g	0.019 µg/g	0.027/0.500	PASS

**AWA-09: WATER ACTIVITY // SEP 19, 2022**

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.446 Aw	PASS

**FOR-07: FOREIGN MATTER ANALYSIS // SEP 19, 2022**

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

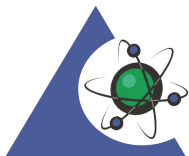
ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	1.000 %	PASS



## 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

**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

