

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.

BILLY CHEM (FLOWER) // PRODUCED: OCT 18, 2023

CLIENT: MAPLE VALLEY PHARMS // BATCH: PASS



MATRIX: FLOWER ¹
SAMPLE ID: NAL-231013-018
COLLECTED ON: OCT 13, 2023
RECEIVED ON: OCT 13, 2023
BATCH SIZE: 2.5 G ¹
SAMPLE SIZE: 1 UNITS ¹
SAMPLED BY: DAVID CHRISTEN
RECEIVED BY: ALEX ERAMO

¹ ENTERED BY CLIENT

CANNABINOID OVERVIEW

THCA:	19.8 %
THCVA:	0.917 %
TOTAL CANNABINOIDS:	21.7 %

CULTIVATOR INFO

CULTIVATOR
MAPLE VALLEY PHARMS
518 NORRIDGEWOCK RD
FAIRFIELD, ME 04937

LICENSE
TBD
MEDICINAL - CAREGIVER

BATCH RESULT: PASS

POTENCY	TESTED
MICROBIAL	PASS
PESTICIDES	PASS
TERPENES	TESTED

CAN. 1: POTENCY & CANNABINOID PROFILE BY HPLC-UV PREPARATION: OCT 17, 2023 // ANALYSIS: OCT 17, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (%)	PASS/FAIL
CBC		ND	ND	0.0636/0.127	N/A
CBCA	0.308 %	3.08 mg/g		0.0636/0.127	N/A
CBD		ND	ND	0.0636/0.127	N/A
CBDA		ND	ND	0.0636/0.127	N/A
CBDV		ND	ND	0.0636/0.127	N/A
CBDVA		ND	ND	0.0636/0.127	N/A
CBG		ND	ND	0.0636/0.127	N/A
CBGA	0.544 %	5.44 mg/g		0.0636/0.127	N/A
CBL		ND	ND	0.127/0.127	N/A
CBLA		ND	ND	0.0636/0.127	N/A
CBN		ND	ND	0.0636/0.127	N/A

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (%)	PASS/FAIL
CBNA		< LOQ	< LOQ	0.0636/0.127	N/A
Δ⁸-THC		ND	ND	0.127/0.127	N/A
Δ⁸-THCA		ND	ND	0.127/0.127	N/A
Δ⁹-THC	0.177 %	1.77 mg/g		0.0636/0.127	N/A
Δ¹⁰-THC		ND	ND	0.0636/0.127	N/A
EXO-THC		ND	ND	0.127/0.127	N/A
THCA	19.8 %	198 mg/g		0.127/0.127	N/A
THCV		ND	ND	0.0636/0.127	N/A
THCVA	0.917 %	9.17 mg/g		0.0636/0.127	N/A
TOTAL THC**	17.5 %	175 mg/g			N/A
TOTAL CBD**		ND	ND		N/A

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

** TOTAL THC = (THCA X 0.877) + THC

Reported on an as received basis

1000 µg/g = 1 mg/g



AUTHORIZED BY:
ZACHARY SMITH
LABORATORY MANAGER, NOVA
ANALYTIC LABS
OCT 18, 2023

TRP.2: TERPENES BY LIQUID INJECT GCMS
PREPARATION: OCT 14, 2023 // ANALYSIS: OCT 17, 2023

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.34 %	13.4 mg/g		N/A
LINALOOL	0.221 %	2.21 mg/g	0.147/0.295	N/A
D-LIMONENE	0.213 %	2.13 mg/g	0.147/0.295	N/A
β-CARYOPHYLLENE	0.209 %	2.09 mg/g	0.147/0.295	N/A
TRANS-β-OCIMENE	0.141 %	1.41 mg/g	0.147/0.295	N/A
β-MYRCENE	0.270 %	2.70 mg/g	0.147/0.295	N/A
α-HUMULENE	0.0921 %	0.921 mg/g	0.147/0.295	N/A
α-BISABOLOL	0.0831 %	0.831 mg/g	0.147/0.295	N/A
β-PINENE	0.0448 %	0.448 mg/g	0.147/0.295	N/A
ENDO FENCHYL ALCOHOL	0.0331 %	0.331 mg/g	0.147/0.295	N/A
TERPINEOL	0.0298 %	0.298 mg/g	0.147/0.295	N/A
α-PINENE	< LOQ	< LOQ	0.147/0.295	N/A
BORNEOL	< LOQ	< LOQ	0.147/0.295	N/A
CARYOPHYLLENE OXIDE	< LOQ	< LOQ	0.147/0.295	N/A
CIS-β-OCIMENE	< LOQ	< LOQ	0.147/0.295	N/A
(-)-VERBENONE	ND	ND	0.147/0.295	N/A
2-PIPERIDONE	ND	ND	0.147/0.295	N/A
α-CEDRENE	ND	ND	0.147/0.295	N/A
α-PHELLANDRENE	ND	ND	0.147/0.295	N/A
α-TERPINENE	ND	ND	0.147/0.295	N/A
α-THUJONE	ND	ND	0.147/0.295	N/A
CAMPHENE	ND	ND	0.147/0.295	N/A
CAMPHOR	ND	ND	0.147/0.295	N/A
CARVACROL	ND	ND	0.147/0.295	N/A
CEDROL	ND	ND	0.147/0.295	N/A
CITRAL	ND	ND	0.147/0.295	N/A
CITRONELLOL	ND	ND	0.147/0.295	N/A
D-CARVONE	ND	ND	0.147/0.295	N/A
Δ ³ -CARENE	ND	ND	0.147/0.295	N/A
E-NEROLIDOL	ND	ND	0.147/0.295	N/A

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
EUCALYPTOL	ND	ND	0.147/0.295	N/A
FARNESENE	ND	ND	0.147/0.295	N/A
FARNESOL	ND	ND	0.147/0.295	N/A
FENCHONE	ND	ND	0.147/0.295	N/A
γ-TERPINENE	ND	ND	0.147/0.295	N/A
GERANIOL	ND	ND	0.147/0.295	N/A
GERANYL ACETATE	ND	ND	0.147/0.295	N/A
GUAIOL	ND	ND	0.147/0.295	N/A
ISOBORNEOL	ND	ND	0.147/0.295	N/A
ISOBORNYL ACETATE	ND	ND	0.147/0.295	N/A
ISOPULEGOL	ND	ND	0.147/0.295	N/A
M-CYMENE	ND	ND	0.147/0.295	N/A
MENTHOL	ND	ND	0.147/0.295	N/A
MENTHONE	ND	ND	0.147/0.295	N/A
NEROL	ND	ND	0.147/0.295	N/A
O-CYMENE	ND	ND	0.147/0.295	N/A
OCTYL ACETATE	ND	ND	0.147/0.295	N/A
P-CYMENE	ND	ND	0.147/0.295	N/A
PHYTANE	ND	ND	0.147/0.295	N/A
PIPERITONE	ND	ND	0.147/0.295	N/A
PULEGONE	ND	ND	0.147/0.295	N/A
SABINENE	ND	ND	0.147/0.295	N/A
SABINENE HYDRATE	ND	ND	0.147/0.295	N/A
SAFRANAL	ND	ND	0.147/0.295	N/A
TERPINEN-4-OL	ND	ND	0.147/0.295	N/A
TERPINOLENE	ND	ND	0.147/0.295	N/A
THYMOL	ND	ND	0.147/0.295	N/A
VALENCENE	ND	ND	0.147/0.295	N/A
Z-NEROLIDOL	ND	ND	0.147/0.295	N/A

PST.2: PESTICIDES, INSECTICIDES, FUNGICIDES AND GROWTH REGULATORS BY LC-HRMS
PREPARATION: OCT 16, 2023 // ANALYSIS: OCT 17, 2023

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	500 µg/kg	ND	141/188	PASS
ACEPHATE	400 µg/kg	ND	141/188	PASS
ACEQUINOCYL	2000 µg/kg	ND	141/939	PASS
ACETAMIPRID	200 µg/kg	ND	141/141	PASS
ALDICARB	400 µg/kg	ND	141/188	PASS
AZOXYSTROBIN	200 µg/kg	ND	141/141	PASS
BIFENAZATE	200 µg/kg	ND	141/141	PASS
BIFENTHRIN	200 µg/kg	ND	141/141	PASS
BOSCALID	400 µg/kg	ND	141/188	PASS
CARBARYL	200 µg/kg	ND	141/141	PASS
CARBOFURAN	200 µg/kg	ND	141/141	PASS
CHLORANTRANIL-IPROLE	200 µg/kg	ND	141/141	PASS
CHLORFENAPYR	1000 µg/kg	ND	141/470	PASS
CHLORPYRIFOS	200 µg/kg	ND	141/141	PASS
CLOFENTEZINE	200 µg/kg	ND	141/141	PASS
CYFLUTHRIN	1000 µg/kg	ND	141/470	PASS
CYPERMETHRIN	1000 µg/kg	ND	141/470	PASS
DAMINOZIDE	1000 µg/kg	ND	141/470	PASS
DIAZINON	200 µg/kg	ND	141/141	PASS
DICHLORVOS	1000 µg/kg	ND	141/470	PASS
DIMETHOATE	200 µg/kg	ND	141/141	PASS
ETHOPROPHOS	200 µg/kg	ND	141/141	PASS
ETOFENPROX	400 µg/kg	ND	141/188	PASS
ETOXAZOLE	200 µg/kg	ND	141/141	PASS
FENOXYCARB	200 µg/kg	ND	141/141	PASS
FENPYROXIMATE	400 µg/kg	ND	141/188	PASS
FIPRONIL	400 µg/kg	ND	141/188	PASS
FLONICAMID	1000 µg/kg	ND	141/470	PASS
FLUDIOXONIL	400 µg/kg	ND	141/188	PASS
HEXYTHIAZOX	1000 µg/kg	ND	141/470	PASS
IMAZALIL	200 µg/kg	ND	141/141	PASS
IMIDACLOPRID	400 µg/kg	ND	141/188	PASS
KRESOXIM-METHYL	400 µg/kg	ND	141/188	PASS
MALATHION	200 µg/kg	ND	141/141	PASS
METALAXYL	200 µg/kg	ND	141/141	PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
METHIOCARB	200 µg/kg	ND	141/141	PASS
METHOMYL	400 µg/kg	ND	141/188	PASS
MGK-264	200 µg/kg	ND		PASS
MGK-264 I		ND	85.9/85.9	N/A
MGK-264 II		ND	55.0/55.0	N/A
MYCLOBUTANIL	200 µg/kg	ND	141/141	PASS
NALED	500 µg/kg	ND	141/188	PASS
OXAMYL	1000 µg/kg	ND	141/470	PASS
PACLOBUTRAZOL	400 µg/kg	ND	141/188	PASS
PARATHION-METHYL	200 µg/kg	ND	141/141	PASS
PERMETHRIN	200 µg/kg	ND		PASS
PERMETHRIN CIS		ND	60.6/60.6	N/A
PERMETHRIN TRANS		ND	80.3/80.3	N/A
PHOSMET	200 µg/kg	ND	141/141	PASS
PIPERONYLBUTOXIDE	2000 µg/kg	ND	141/939	PASS
PRALLETHRIN	200 µg/kg	ND	141/141	PASS
PROPICONAZOLE	400 µg/kg	ND	141/188	PASS
PROPOXUR	200 µg/kg	ND	141/141	PASS
PYRETHRINS	1000 µg/kg	ND		PASS
PYRETHRINS CINERIN I		ND	93.8/93.8	N/A
PYRETHRINS CINERIN II		ND	95.8/95.8	N/A
PYRETHRINS JASMOLIN I		ND	76.1/76.1	N/A
PYRETHRINS JASMOLIN II		ND	59.2/59.2	N/A
PYRETHRINS PYRETHRIN I		ND	437/437	N/A
PYRETHRINS PYRETHRIN II		ND	258/258	N/A
PYRIDABEN	200 µg/kg	ND	141/141	PASS
SPINOSAD	200 µg/kg	ND	141/141	PASS
SPIROMESIFEN	200 µg/kg	ND	141/141	PASS
SPIROTETRAMAT	200 µg/kg	ND	141/141	PASS
SPIROXAMINE	400 µg/kg	ND	141/188	PASS
TEBUCONAZOLE	400 µg/kg	ND	141/188	PASS
THIACLOPRID	200 µg/kg	ND	141/141	PASS
THIAMETHOXAM	200 µg/kg	ND	141/141	PASS
TRIFLOXYSTROBIN	200 µg/kg	ND	141/141	PASS

TOTAL YEAST AND MOLD BY MOST PROBABLE NUMBER



ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	ND	1000/1000	PASS

NOTES

ZACHARY SMITH POTENCY & CANNABINOID PROFILE BY HPLC-UV
OCT 18, 2023 THE STANDARD LAB UNCERTAINTY FOR POTENCY IS 5% OF THE REPORTED VALUE.

PRODUCT IMAGES



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ALL TESTS WERE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS SET FORTH IN THE MAINE ADULT USE PROGRAM. LABORATORY SAMPLING PROTOCOLS ARE GOVERNED BY THE OCP'S SAMPLING GUIDANCE DOCUMENTS. ALL INFORMATION PROVIDED BY THE CLIENT, INCLUDING SELF SAMPLING, MUST BE ACCURATE AND ADHERE TO THE SAME RULES AND REGULATIONS. HOWEVER, CLIENT PROVIDED INFORMATION, INCLUDING SAMPLING, IS ULTIMATELY THE RESPONSIBILITY OF THE PROVIDING LICENSEE, REGISTERED CAREGIVER, PATIENT OR THE LIKE AND FAILURE TO FOLLOW SAID PROTOCOLS COULD LEAD TO ERRONEOUS TEST RESULTS. NOTE: NOT ALL POTENTIAL AND/OR EXISTING HAZARDS WERE ANALYZED. THIS CERTIFICATE OF ANALYSIS IS RELEVANT ONLY TO THOSE ITEMS TESTED. THE SAMPLE WAS PROVIDED TO THE LABORATORY FOR TESTING BY THE CLIENT AND THE SAMPLE WAS TESTED AS RECEIVED.

END OF REPORT

