

CERTIFICATE OF ANALYSIS

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

COA EXAMPLE (FLOWER) // PRODUCED: JUN 10, 2024

CLIENT: NOVA - PT ACCOUNT // BATCH: FAIL



MATRIX: FLOWER
SAMPLE ID: NAL-221214-022
COLLECTED ON: DEC 14, 2022
RECEIVED ON: DEC 14, 2022
BATCH SIZE: 10000 G
SAMPLE SIZE: 22 G
SAMPLED BY: CHRIS ALTOMARE

CANNABINOID OVERVIEW

Δ⁹-THC:	28.5 %
CBG:	0.341 %
TOTAL CANNABINOIDS:	29.1 %

CULTIVATOR INFO

CULTIVATOR
 MTF284
 65 MILLIKEN ST
 PORTLAND, ME 04103

LICENSE
 MTF284
 ADULT-USE - CULTIVATOR LICENSE

BATCH RESULT: FAIL

POTENCY	TESTED	MOISTURE	TESTED
ELEMENTS	TESTED	MYCOTOXINS	PASS
FOREIGN	PASS	PESTICIDES	FAIL
GENDER	TESTED	SOLVENTS	TESTED
METALS	PASS	TERPENES	TESTED
HOMOGENEITY	TESTED	WATER	PASS
MICROBIAL	FAIL		

CAN.1: POTENCY & CANNABINOID PROFILE BY HPLC-UV PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (%)	PASS/FAIL
CBC	0.308 %	3.08 mg/g	0.0402/0.201	N/A	
CBCA	ND	ND	0.0402/0.201	N/A	
CBD	ND	ND	0.0402/0.201	N/A	
CBDA	ND	ND	0.0402/0.201	N/A	
CBDV	ND	ND	0.0402/0.201	N/A	
CBDVA	ND	ND	0.0402/0.201	N/A	
CBG	0.341 %	3.41 mg/g	0.0402/0.201	N/A	
CBGA	ND	ND	0.0402/0.201	N/A	
CBL	ND	ND	0.0402/0.201	N/A	
CBLA	ND	ND	0.0402/0.201	N/A	
CBN	< LOQ	< LOQ	0.0402/0.201	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

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (%)	PASS/FAIL
CBNA	ND	ND	0.0402/0.201	N/A	
Δ⁸-THC	ND	ND	0.0402/0.201	N/A	
Δ⁹-THC	28.5 %	285 mg/g	0.0402/0.201	N/A	
Δ¹⁰-THC	ND	ND	0.0402/0.201	N/A	
EXO-THC	ND	ND	0.0402/0.201	N/A	
THCA	ND	ND	0.0402/0.201	N/A	
THCV	ND	ND	0.0402/0.201	N/A	
THCVA	ND	ND	0.0402/0.201	N/A	
TOTAL THC**	28.5 %	285 mg/g			
TOTAL CBD**	ND	ND			



AUTHORIZED BY:
 CHRIS ALTOMARE
 CEO, NOVA ANALYTIC LABS
 JUN 10, 2024

TERPENES BY HEADSPACE GC-MS
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.27 %	12.7 mg/g		N/A
β-MYRCENE	0.207 %	2.07 mg/g	0.0988/0.198	N/A
α-HUMULENE	0.188 %	1.88 mg/g	0.0988/0.198	N/A
LINALOOL	0.121 %	1.21 mg/g	0.0988/0.198	N/A
β-CARYOPHYLLENE	0.600 %	6.00 mg/g	0.0988/0.198	N/A
D-LIMONENE	0.0764 %	0.764 mg/g	0.0988/0.198	N/A
β-PINENE	0.0344 %	0.344 mg/g	0.0988/0.198	N/A
TRANS-NEROLIDOL	0.0248 %	0.248 mg/g	0.0988/0.198	N/A
CARYOPHYLLENE OXIDE	0.0219 %	0.219 mg/g	0.0988/0.198	N/A
α-BISABOLOL	< LOQ	< LOQ	0.0988/0.198	N/A
α-PINENE	< LOQ	< LOQ	0.0988/0.198	N/A
α-OCIMENE	ND	ND	0.0494/0.0988	N/A

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
α-TERPINENE	ND	ND	0.0988/0.198	N/A
β-OCIMENE	ND	ND	0.0494/0.0988	N/A
CAMPHENENE	ND	ND	0.0988/0.198	N/A
CIS-NEROLIDOL	ND	ND	0.0988/0.198	N/A
Δ ³ -CARENE	ND	ND	0.0988/0.198	N/A
EUCALYPTOL	ND	ND	0.0988/0.198	N/A
γ-TERPINENE	ND	ND	0.0988/0.198	N/A
GERANIOL	ND	ND	0.0988/0.198	N/A
ISOPULEGOL	ND	ND	0.0988/0.198	N/A
P-CYMENE	ND	ND	0.0988/0.198	N/A
TERPINOLENE	ND	ND	0.0988/0.198	N/A

RSOL.1: RESIDUAL SOLVENTS, POISONS AND TOXINS BY HEADSPACE GC-MS

PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
BUTANE		18.2	1.14/2.86	N/A
HEXANE	ND		1.14/2.86	N/A
ACETONE	ND		57.1/114	N/A
BENZENE	ND		0.571/1.14	N/A
ETHANOL	ND		22.9/57.1	N/A
HEPTANE	ND		11.4/22.9	N/A
PENTANE	ND		57.1/114	N/A
PROPANE	273		22.9/45.7	N/A
TOLUENE	ND		5.71/11.4	N/A
METHANOL	ND		57.1/114	N/A
O-XYLENE	ND		11.4/22.9	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLOROFORM				ND 0.571/1.14 N/A
ETHYL ETHER				ND 11.4/22.9 N/A
ACETONITRILE				ND 57.1/114 N/A
ETHYL ACETATE				ND 11.4/22.9 N/A
ETHYLENE OXIDE				ND 0.571/1.14 N/A
P- AND M-XYLENE				ND 22.9/45.7 N/A
ISOPROPYL ALCOHOL				ND 57.1/114 N/A
TRICHLOROETHYL-				ND 0.571/1.14 N/A
ENE				ND 0.571/1.14 N/A
1,2-				ND 0.571/1.14 N/A
DICHLOROETHANE				ND 0.571/1.14 N/A
METHYLENE CHLORIDE				ND 0.571/1.14 N/A

PST.2: PESTICIDES, INSECTICIDES, FUNGICIDES AND GROWTH REGULATORS BY LC-HRMS

PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN	500 µg/kg	ND	136/182	PASS
ACEPHATE	400 µg/kg	ND	136/182	PASS
ACEQUINOCYL	2000 µg/kg	ND	136/909	PASS
ACETAMIPRID	200 µg/kg	ND	136/136	PASS
ALDICARB	400 µg/kg	ND	136/182	PASS
AZOXYSTROBIN	200 µg/kg	ND	136/136	PASS
BIFENAZATE	200 µg/kg	ND	136/136	PASS
BIFENTHRIN	200 µg/kg	ND	136/136	PASS
BOSCALID	400 µg/kg	ND	136/182	PASS
CARBARYL	200 µg/kg	ND	136/136	PASS
CARBOFURAN	200 µg/kg	ND	136/136	PASS
CHLORANTRANIL- IPROLE	200 µg/kg	ND	136/136	PASS
CHLORFENAPYR	1000 µg/kg	ND	136/455	PASS
CHLORPYRIFOS	200 µg/kg	ND	136/136	PASS
CLOFENOTEZINE	200 µg/kg	ND	136/136	PASS
CYFLUTHRIN	1000 µg/kg	ND	136/455	PASS
CYPERMETHRIN	1000 µg/kg	ND	136/455	PASS
DAMINOZIDE	1000 µg/kg	ND	136/455	PASS
DIAZINON	200 µg/kg	ND	136/136	PASS
DICHLORVOS	1000 µg/kg	ND	136/455	PASS
DIMETHOATE	200 µg/kg	ND	136/136	PASS
ETHOPROPHOS	200 µg/kg	ND	136/136	PASS
ETOGENPROX	400 µg/kg	ND	136/182	PASS
ETOXAZOLE	200 µg/kg	ND	136/136	PASS
FENOXYCARB	200 µg/kg	ND	136/136	PASS
FENPYROXIMATE	400 µg/kg	ND	136/182	PASS
FIPRONIL	400 µg/kg	ND	136/182	PASS
FLONICAMID	1000 µg/kg	ND	136/455	PASS
FLUDIOXONIL	400 µg/kg	ND	136/182	PASS
HEXYTHIAZOX	1000 µg/kg	ND	136/455	PASS
IMAZALIL	200 µg/kg	ND	136/136	PASS
IMIDACLOPRID	400 µg/kg	ND	136/182	PASS
KRESOXIM- METHYL	400 µg/kg	ND	136/182	PASS
MALATHION	200 µg/kg	ND	136/136	PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
METALAXYL	200 µg/kg	ND	136/136	PASS
METHIOCARB	200 µg/kg	ND	136/136	PASS
METHOMYL	400 µg/kg	ND	136/182	PASS
MGK-264	200 µg/kg	ND	83.2/83.2	N/A
MGK-264 I	ND			ND 53.2/53.2 N/A
MGK-264 II	ND			ND 58.6/58.6 N/A
MYCLOBUTANIL	200 µg/kg	6820	136/136	FAIL
NALED	500 µg/kg	ND	136/182	PASS
OXAMYL	1000 µg/kg	ND	136/455	PASS
PACLOBUTRAZOL	400 µg/kg	ND	136/182	PASS
PARATHION- METHYL	200 µg/kg	ND	136/136	PASS
PERMETHRIN	200 µg/kg	ND	77.7/77.7	N/A
PERMETHRIN CIS	ND			ND 136/136 N/A
PERMETHRIN TRANS	ND			ND 136/136 N/A
PHOSMET	200 µg/kg	ND	136/136	PASS
PIPERONYLBUTO- XIDE	2000 µg/kg	ND	136/909	PASS
PRALLETHRIN	200 µg/kg	ND	136/136	PASS
PROPICONAZOLE	400 µg/kg	ND	136/182	PASS
PROPOXUR	200 µg/kg	ND	136/136	PASS
PYRETHRINS	1000 µg/kg	ND	250/250	N/A
PYRETHRINS CINERIN I	ND			ND 90.8/90.8 N/A
PYRETHRINS CINERIN II	ND			ND 92.7/92.7 N/A
PYRETHRINS JASMOLIN II	ND			ND 57.3/57.3 N/A
PYRETHRINS PYRETHRIN II	ND			ND 250/250 N/A
PYRIDABEN	200 µg/kg	ND	136/136	PASS
SPINOSAD	200 µg/kg	ND	136/136	PASS
SPIROMESIFEN	200 µg/kg	ND	136/136	PASS
SPIROTETRAMAT	200 µg/kg	ND	136/136	PASS
SPIROXAMINE	400 µg/kg	ND	136/182	PASS
TEBUCONAZOLE	400 µg/kg	ND	136/182	PASS
THIACLOPRID	200 µg/kg	ND	136/136	PASS
THIAMETHOXAM	200 µg/kg	ND	136/136	PASS
TRIFLOXYSTROB- IN	200 µg/kg	ND	136/136	PASS

MYC.1: MYCOTOXINS BY LC-HRMS
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022



https://lims.tagleaf.com/coa_/rbLvwr3hY7

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.0956/0.287	N/A
AFLATOXIN B2		ND	0.287/0.478	N/A
AFLATOXIN G1		ND	0.0956/0.287	N/A

HME.1: HEAVY METALS BY ICP-MS
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	200 µg/kg	ND	19.6/49.0	PASS
CADMIUM	200 µg/kg	ND	19.6/49.0	PASS

FMT.1: FILTH AND FOREIGN MATERIAL BY VISUAL INSPECTION
PREPARATION: DEC 15, 2022 // ANALYSIS: DEC 15, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
CINDERS		25 %	ND
DIRT		25 %	ND
IMBEDDED FOREIGN MATERIAL		25 %	ND
INSECT FRAGMENTS		Any amt	ND
MAMMAL EXCREMENT		Any amt	ND

MOISTURE CONTENT BY MOISTURE BALANCE
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (%)	LOD/LOQ (%)	PASS/FAIL
MOISTURE		9.00	0.0100/0.0100	N/A

WATER ACTIVITY BY WATER ACTIVITY METER
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (Aw)	LOD/LOQ (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.54	0.030/0.030	PASS

HOMO.1: HOMOGENEITY BY HPLC-UV
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
CBD RSD		0.00	N/A

MIC.5: SALMONELLA BY PCR
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amt in 1 gram	ND	1.0/1.0	PASS

MIC.4: PATHOGENIC E. COLI BY PCR
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
ESCHERICHIA COLI	Any amt in 1 gram	ND	1.0/1.0	PASS

: HLV, LCC, CCV BY PCR
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ ()	PASS/FAIL
CANNABIS CRYPTIC VIRUS	Any amt in 1 gram	ND		PASS
HOP LATENT VIROID	Any amt in 1 gram	Detected		FAIL

TOTAL YEAST AND MOLD BY MOST PROBABLE NUMBER
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	1500	1000/1000	PASS

MIC.3: TOTAL COLIFORM BY MOST PROBABLE NUMBER
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN G2		ND	0.0956/0.478	N/A
OCHRATOXIN A		ND	0.191/0.574	N/A
TOTAL MYCOTOXINS	20 µg/kg	ND		PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	500 µg/kg	ND	19.6/58.8	PASS
MERCURY	100 µg/kg	ND	19.6/39.2	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOLD		25 %	ND
RODENT HAIR		Any amt	ND
SAND		25 %	ND
SOIL		25 %	ND



https://lims.tagleaf.com/coa_/rbLvwr3hY7

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	ND	100/100	PASS

**TOTAL AEROBIC BACTERIA BY MOST PROBABLE NUMBER
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
AEROBIC BACTERIA	100000 CFU/g	ND	100/100	PASS

**MIC.6: TOTAL ENTEROBACTER BY MOST PROBABLE NUMBER
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
ENTEROBACTERIACEAE	1000 CFU/g	100	100/100	PASS

**GEN: PLANT GENDER ID BY PCR
PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022**

ANALYTE	AMT (Count)	PASS/FAIL
GENDER	Male	N/A

NUT.1: NUTRIENTS AND OTHER ELEMENTS

PREPARATION: DEC 14, 2022 // ANALYSIS: DEC 14, 2022

ANALYTE	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
IRON	ND	0.0250/0.0500	N/A
ZINC	ND	0.0125/0.0250	N/A
BORON	ND	0.0625/0.125	N/A
COPPER	ND	0.00500/0.0100	N/A
SODIUM	59.0	0.500/1.00	N/A
SULFUR	ND	5.00/10.0	N/A
CALCIUM	354	0.875/1.75	N/A

ANALYTE	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
SILICON	ND	0.500/1.00	N/A
MAGNESIUM	ND	0.875/1.75	N/A
MANGANESE	ND	0.0250/0.0500	N/A
POTASSIUM	1800	5.00/10.0	N/A
MOLYBDENUM	ND	0.00125/0.00250	N/A
PHOSPHORUS	250	0.438/0.875	N/A

NOTES

CHRIS ALTOMARE
DEC 14, 2022

POTENCY & CANNABINOID PROFILE BY HPLC-UV
THE STANDARD LAB UNCERTAINTY FOR POTENCY IS 5% OF THE REPORTED VALUE.

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

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

