

# CERTIFICATE OF ANALYSIS

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

**FIRE FLOWER - COA EXAMPLE (FLOWER) // PRODUCED: MAR 11, 2022**

CLIENT: NOVA - PT ACCOUNT // BATCH: FAIL



**BATCH NO./LOT NO.:** ABD-567/22368  
**MATRIX:** FLOWER  
**SAMPLE ID:** NAL-210622-003  
**COLLECTED ON:** JUN 18, 2021  
**RECEIVED ON:** JUN 18, 2021  
**BATCH/SAMPLE SIZE:** 20 LBS / 22 G

## CANNABINOID OVERVIEW

<b>THCA:</b>	<b>31.1 %</b>
<b>CBG:</b>	<b>0.250 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>31.6 %</b>

## CULTIVATOR INFO

**CULTIVATOR**  
TEST  
65 MILLIKEN ST  
PORTLAND, ME 04103

**LICENSE**  
TEST  
MEDICAL REFERENCE

## BATCH RESULT: FAIL

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

## CAN. 1: POTENCY & CANNABINOID PROFILE BY HPLC-UV PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ ( )	PASS/FAIL
CBC		ND	ND		N/A
CBCA		ND	ND		N/A
CBD		ND	ND		N/A
CBDA		ND	ND		N/A
CBDV		ND	ND		N/A
CBDVA		ND	ND		N/A
CBG	0.250 %	2.50 mg/g			N/A
CBGA		ND	ND		N/A
CBL		ND	ND		N/A
CBLA		ND	ND		N/A
CBN		ND	ND		N/A

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ ( )	PASS/FAIL
CBNA		ND	ND		N/A
Δ <sup>8</sup> -THC		ND	ND		N/A
Δ <sup>9</sup> -THC		0.250 %	2.50 mg/g		N/A
Δ <sup>10</sup> -THC		ND	ND		N/A
EXO-THC		ND	ND		N/A
THCA		31.1 %	311 mg/g		N/A
THCV		ND	ND		N/A
THCVA		ND	ND		N/A
TOTAL THC **		27.5 %	275 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



RESULTS CERTIFIED BY:  
BARRY CHAFFIN  
COO, NOVA ANALYTIC LABS  
MAR 11, 2022

RESULTS CERTIFIED BY:  
GREG NEWLAND  
CSO, NOVA ANALYTIC LABS  
MAR 11, 2022

RESULTS CERTIFIED BY:  
CHRIS ALTOMARE  
CEO, NOVA ANALYTIC LABS  
MAR 11, 2022

**TERPENES BY HEADSPACE GC-MS**  
**PREPARATION: MAR 08, 2022 // ANALYSIS: MAR 08, 2022**

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.472 %	4.72 mg/g		N/A
β-MYRCENE	0.144 %	1.44 mg/g	0.0980/0.196	N/A
β-CARYOPHYLLENE	0.140 %	1.40 mg/g	0.0980/0.196	N/A
α-PINENE	0.0519 %	0.519 mg/g	0.0980/0.196	N/A
D-LIMONENE	0.0413 %	0.413 mg/g	0.0980/0.196	N/A
α-HUMULENE	0.0379 %	0.379 mg/g	0.0980/0.196	N/A
TERPINOLENE	0.0300 %	0.300 mg/g	0.0980/0.196	N/A
β-PINENE	0.0271 %	0.271 mg/g	0.0980/0.196	N/A
α-BISABOLOL	< LOQ	< LOQ	0.0980/0.196	N/A
α-OCIMENE	< LOQ	< LOQ	0.0490/0.0980	N/A
LINALOOL	< LOQ	< LOQ	0.0980/0.196	N/A
γ-TERPINENE	ND	ND	0.0980/0.196	N/A

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
P-CYMENE	ND	ND	0.0980/0.196	N/A
ISOPULEGOL	ND	ND	0.0980/0.196	N/A
GERANIOL	ND	ND	0.0980/0.196	N/A
CIS-NEROLIDOL	ND	ND	0.0980/0.196	N/A
EUCALYPTOL	ND	ND	0.0980/0.196	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.0980/0.196	N/A
CARYOPHYLLENE OXIDE	ND	ND	0.0980/0.196	N/A
CAMPHENE	ND	ND	0.0980/0.196	N/A
β-OCIMENE	ND	ND	0.0490/0.0980	N/A
α-TERPINENE	ND	ND	0.0980/0.196	N/A
TRANS-NEROLIDOL	ND	ND	0.0980/0.196	N/A

**RSOL.1: RESIDUAL SOLVENTS, POISONS AND TOXINS BY HEADSPACE GC-MS**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
BUTANE	5000 µg/g	ND	0.200/0.400	N/A
HEXANE	290 µg/g	ND	0.200/0.400	N/A
ACETONE	5000 µg/g	ND	0.200/0.400	N/A
BENZENE	1 µg/g	ND	0.0100/0.0200	N/A
ETHANOL	5000 µg/g	ND	0.200/0.400	N/A
HEPTANE	5000 µg/g	ND	0.200/0.400	N/A
PENTANE	5000 µg/g	ND	0.200/0.400	N/A
PROPANE	5000 µg/g	ND	0.200/0.400	N/A
TOLUENE	890 µg/g	ND	0.200/0.400	N/A
METHANOL	3000 µg/g	ND	0.200/0.400	N/A
O-XYLENE	2170 µg/g	ND	0.0500/0.100	N/A

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLOROFORM	1 µg/g	ND	0.0100/0.0200	N/A
ETHYL ETHER	5000 µg/g	ND	0.200/0.400	N/A
ACETONITRILE	410 µg/g	ND	0.100/0.200	N/A
ETHYL ACETATE	5000 µg/g	ND	0.200/0.400	N/A
ETHYLENE OXIDE	1 µg/g	ND	0.0100/0.0200	N/A
P- AND M-XYLENE	2170 µg/g	ND	0.0200/0.0400	N/A
ISOPROPYL ALCOHOL	5000 µg/g	ND	0.200/0.400	N/A
TRICHLOROETHYLENE	1 µg/g	ND	0.0100/0.0200	N/A
1,2-DICHLOROETHANE	1 µg/g	ND	0.0100/0.0200	N/A
METHYLENE CHLORIDE	1 µg/g	ND	0.0100/0.0200	N/A

**PNM.1: PESTICIDES, INSECTICIDES, FUNGICIDES AND GROWTH REGULATORS BY LC-HRMS**  
**PREPARATION: MAR 08, 2022 // ANALYSIS: MAR 08, 2022**

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
ABAMECTIN		ND	6250/6250	N/A
ACEPHATE		ND	6250/6250	N/A
ACEQUINOCYL		ND	6250/6250	N/A
ACETAMIPRID		ND	6250/6250	N/A
ALDICARB		ND	6250/6250	N/A
AZOXYSTROBIN		ND	6250/6250	N/A
BIFENAZATE		ND	6250/6250	N/A
BIFENTHRIN	Any amt	188000	6250/6250	FAIL
BOSCALID		55800	6250/6250	N/A
CARBARYL		ND	6250/6250	N/A
CARBOFURAN		ND	6250/6250	N/A
CHLORANTRANILIPROLE		ND	6250/6250	N/A
CHLORFENAPYR		ND	6250/8330	N/A
CHLORPYRIFOS		ND	6250/6250	N/A
CLOFENTEZINE		ND	6250/6250	N/A
CYFLUTHRIN	Any amt	< LOQ	20800/41700	FAIL
CYPERMETHRIN		ND	20800/41700	N/A
DAMINOZIDE	Any amt	ND	20800/41700	PASS
DIAZINON		ND	6250/6250	N/A
DICHLORVOS		ND	6250/6250	N/A
DIMETHOATE		ND	6250/6250	N/A
ETHOPROPHOS		ND	6250/6250	N/A
ETOXAPROX		50000	6250/6250	N/A
ETOXAZOLE	Any amt	76700	6250/6250	FAIL
FENOXYCARB		ND	6250/6250	N/A
FENPYROXIMATE		ND	6250/6250	N/A
FIPRONIL		ND	6250/6250	N/A
FLONICAMID		ND	6250/6250	N/A
FLUDIOXONIL		29400	6250/6250	N/A
HEXYTHIAZOX		ND	6250/6250	N/A

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
IMAZALIL	Any amt	50700	6250/6250	FAIL
IMIDACLOPRID		ND	6250/6250	N/A
KRESOXIM-METHYL		61400	6250/6250	N/A
MALATHION		ND	6250/6250	N/A
METALAXYL		65600	6250/6250	N/A
METHIOCARB		ND	6250/6250	N/A
METHOMYL		ND	6250/6250	N/A
MGK-264 I		ND	6250/6250	N/A
MGK-264 II		ND	6250/6250	N/A
MYCLOBUTANIL	Any amt	ND	6250/6250	PASS
NALED		ND	6250/6250	N/A
OXAMYL		ND	6250/6250	N/A
PACLOBUTRAZOL		143000	6250/6250	N/A
PARATHION-METHYL		ND	6250/6250	N/A
PERMETHRIN CIS		104000	6250/6250	N/A
PHOSMET		ND	6250/6250	N/A
PIPERONYLBUTOXIDE		35200	6250/6250	N/A
PRALLETHRIN		ND	6250/6250	N/A
PROPICONAZOLE		29900	8330/8330	N/A
PROPOXUR		ND	6250/6250	N/A
PYRIDABEN		ND	6250/6250	N/A
SPINOSAD		ND	6250/6250	N/A
SPIROMESIFEN	Any amt	ND	6250/6250	PASS
SPIROTETRAMAT		91300	6250/6250	N/A
SPIROXAMINE		83400	6250/6250	N/A
TEBUCONAZOLE		129000	6250/6250	N/A
THIACLOPRID		ND	6250/6250	N/A
THIAMETHOXAM		ND	6250/6250	N/A
TRIFLOXYSTROBIN	Any amt	ND	6250/6250	PASS

**MYC.1: MYCOTOXINS BY LC-HRMS**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

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

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



**HME.1: HEAVY METALS BY ICP-MS**  
**PREPARATION: MAR 10, 2022 // ANALYSIS: MAR 11, 2022**

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
ARSENIC	200 µg/kg	ND	0.100/0.250	PASS
CADMIUM	200 µg/kg	ND	0.100/0.250	PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
LEAD	500 µg/kg	ND	0.100/0.300	PASS
MERCURY	100 µg/kg	ND	0.100/0.200	PASS

**FMT.1: FILTH AND FOREIGN MATERIAL BY VISUAL INSPECTION**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

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

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

**MOISTURE CONTENT BY MOISTURE BALANCE**  
**PREPARATION: JUN 22, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (%)	LOD/LOQ (%)	PASS/FAIL
MOISTURE	15 %	7.00	0.0100/0.0100	PASS

**WATER ACTIVITY BY WATER ACTIVITY METER**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (Aw)	LOD/LOQ (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.250	0.0300/0.0300	PASS

**HOMO.1: HOMOGENEITY BY HPLC-UV**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
CBD RSD	15 %	ND	N/A

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
THC RSD	15 %	2.10	N/A

**MIC.6: TOTAL ENTEROBACTER BY COMPACT DRY PLATE**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
ENTEROBACTERIACEAE	1000 CFU/g	500	100/100	PASS

**MIC.3: TOTAL COLIFORM BY COMPACT DRY PLATE**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	200	100/100	PASS

**TOTAL AEROBIC BACTERIA BY COMPACT DRY PLATE**  
**PREPARATION: JUN 21, 2021 // ANALYSIS: JUN 22, 2021**

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

**TOTAL YEAST AND MOLD BY COMPACT DRY PLATE**  
**PREPARATION: JUN 19, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
YEAST & MOLD	10000 CFU/g	100	100/100	PASS

**MIC.5: SALMONELLA BY PCR**  
**PREPARATION: JUN 20, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amt in 1 gram	ND	1.00/1.00	PASS

**MIC.4: PATHOGENIC E. COLI BY PCR**  
**PREPARATION: JUN 20, 2021 // ANALYSIS: JUN 22, 2021**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ (CFU/g)	PASS/FAIL
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ESCHERICHIA  
COLI

Any amt in 1  
gram

ND

1.00/1.00

PASS

**: HLV, LCC, CCV BY PCR**

**PREPARATION: MAR 08, 2022 // ANALYSIS: MAR 08, 2022**

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ ( )	PASS/FAIL
CANNABIS CRYPTIC VIRUS		ND		PASS
HOP LATENT VIROID		ND		PASS

ANALYTE	LIMIT	AMT (CFU/g)	LOD/LOQ ( )	PASS/FAIL
LETTUCE CHLOROSIS VIRUS		ND		PASS

**GEN: PLANT GENDER ID BY PCR**

**PREPARATION: MAR 11, 2022 // ANALYSIS: MAR 11, 2022**

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

**NUT.1: NUTRIENTS AND OTHER ELEMENTS**

**PREPARATION: MAR 11, 2022 // ANALYSIS: MAR 11, 2022**

ANALYTE	AMT (µg/g)	LOD/LOQ ( )	PASS/FAIL
IRON	ND		N/A
ZINC	ND		N/A
BORON	ND		N/A
COPPER	ND		N/A
SODIUM	ND		N/A
SULFUR	500		N/A
CALCIUM	20000		N/A

ANALYTE	AMT (µg/g)	LOD/LOQ ( )	PASS/FAIL
SILICON	ND		N/A
MAGNESIUM	ND		N/A
MANGANESE	ND		N/A
POTASSIUM	ND		N/A
MOLYBDENUM	20.0		N/A
PHOSPHORUS	ND		N/A

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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 OMP'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.

**END OF REPORT**

