

Testing Summary

Date Tested: 1/26/2023

Pesticides:	PASS
Mycotoxins:	PASS
Microbials:	PASS

Analytical Methods

- Pesticides & Mycotoxins: *LS- Ms / Ms*
- Microbials: *RT- qPCR & 3M Petrifilm*
- Potency: *HPLC UV-VIS Detector*

Analytical Information

Potency /

The estimation of uncertainty is: [THCA \pm 0.31%] [THC \pm 0.15%]
[CBDA \pm 0.02%] [CBD \pm 0.07%]. Total THC = THCa * 0.877 + d9-THC,
Total CBD = CBDA * 0.877 + CBD, Total Cannabinoids = the sum of
all cannabinoids tested, LOQ = Limit of Quantitation: the reported
result is based on a sample weight with the applicable moisture
content for that sample; unless otherwise stated all quality control
samples performed within specifications established by the
Laboratory.

Mycotoxins /

The estimation of uncertainty is: [Aflatoxin \pm 2 ppb] [Ochratoxins
 \pm 2 ppb] LOQ = Limit of Quantitation, the reported result is based
on a sample weight with the applicable moisture content for that
sample; unless otherwise stated all quality control samples per-
formed within specifications established by the Laboratory

Microbials /

The estimation of uncertainty: Bile-tolerant gram negative \pm 14
cfu/g. LOQ = Limit of Quantitation; Negative = Not Detected; Posi-
tive= Detected; unless otherwise stated all quality control samples
performed within specifications established by the Laboratory.

Pesticides /

The estimation of uncertainty for pesticides is: [All analytes \pm 0.011
ppm] [Except for Spinosyn: \pm 0.022, Cyfluthrin: \pm 0.008,
Permethrins: \pm 0.022, Chlorfenapyr: \pm 0.038 ppm]



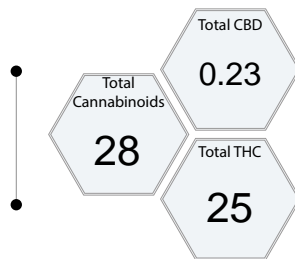
Certificate of Analysis

Laboratory license #0012 | (509) 981-2266 | 124 E. Rowan Spokane, WA
www.greengrowerlabs.com

Sample: **GF41581505501631**

Origination: **STARLEAF**Sample Name: **NORTHERN LIGHTS**License: **415815**Type: **Non-Solvent based Concentrate**Address **4110 E CENTRAL AVE, SPOKANE, WA,
99217-5138**Date Received: **1/26/2023**

Potency



Cannabinoids

Analyte	Mass %
Δ 9-THC	1
THCa	27
Total THC	25
CBD	0.23
CBDA	< 0.10
Total CBD	0.23

MycoToxins

Analyte	Limit (PPB)	Unit (PPB)
Total Aflatoxins (B1, B2, G1, G2)	20	< 9
Ochratoxin A	20	< 11

Microbials

Analyte	Limit	Unit
STEC Shiga toxin-producing E. coli	Negative	Negative
Salmonella	Negative	Negative
BTGN Bile-Tolerant Gram-Negative Bacteria	10,000 (CFU/g)	0

This product has been tested by Green Grower Labs using validated testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Green Grower Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Green Grower Labs. Flower samples are separated for the required field of testing, then homogenized before testing using liquid nitrogen. The results in this report relate only to the sample tested. All measurements have a degree of uncertainty. As required per WAC 314-55-103 the estimation of uncertainty has been calculated and reported here as a range. The range assumes a 95% confidence interval.

Matt Heist
Lab Director

Testing Summary

Date Tested: 1/26/2023

Pesticides:

PASS

Analytical Methods

- Water Activity: *Rotronic Meter*
- Foreign Matter: *Visual Inspection*
- Pesticides & Mycotoxins: *LS- Ms / Ms*
- Microbials: *RT- qPCR & 3M Petrifilm*
- Potency: *HPLC UV-VIS Detector*

Analytical Information

Potency /

The estimation of uncertainty is: [THCA ± 0.31%] [THC ± 0.15%]

[CBDA ± 0.02%] [CBD ± 0.07%]. Total THC = THCa * 0.877 + d9-THC,

Total CBD = CBDA * 0.877 + CBD, Total Cannabinoids = the sum of

all cannabinoids tested, LOQ = Limit of Quantitation: the reported

result is based on a sample weight with the applicable moisture

content for that sample; unless otherwise stated all quality control

samples performed within specifications established by the

Laboratory.

Mycotoxins /

The estimation of uncertainty is: [Aflatoxin ± 2 ppb] [Ochratoxins

± 2 ppb] LOQ = Limit of Quantitation, the reported result is based

on a sample weight with the applicable moisture content for that

sample; unless otherwise stated all quality control samples per-

formed within specifications established by the Laboratory

Microbials /

The estimation of uncertainty: Bile-tolerant gram negative ± 14

cfu/g. LOQ = Limit of Quantitation; Negative = Not Detected; Posi-

tive= Detected; unless otherwise stated all quality control samples

performed within specifications established by the Laboratory.

Pesticides /

The estimation of uncertainty for pesticides is: [All analytes ± 0.011

ppm] [Except for Spinosyn: ± 0.022, Cyfluthrin: ± 0.008, Permethrins:

± 0.022, Chlorfenapyr: ± 0.038 ppm]

This product has been tested by Green Grower Labs using validated testing methodologies and a quality system as required by state law.

Values reported relate only to the product tested. Green Grower Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, with-out the written approval of Green Grower Labs. Flower samples are separated for the required field of testing, then homogenized before testing using liquid nitrogen.

The results in this report relate only to the sample tested. All measurements have a degree of uncertainty. As required per WAC 314-55-103 the estimation of uncertainty has been calculated and reported here as a range. The range assumes a 95% confidence interval.



Certificate of Analysis

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Sample: GF41581505501631

Origination:	STARLEAF	Sample Name:	NORTHERN LIGHTS
License:	415815	Type:	Non-Solvent based Concentrate
Address	4110 E CENTRAL AVE, SPOKANE, WA, 99217-5138	Date Recieved:	1/26/2023

Pesticides

Analyte	Limit(PPM)	MASS (PPM)	Analyte	Limit(PPM)	MASS (PPM)
Abamectin	0.5	< 0.42	ND	Malathion	0.20 < 0.03 ND
Acephate	0.4	< 0.10	ND	Metaxyl	0.20 < 0.02 ND
Acequinocyl	2.0	< 0.15	ND	Methiocarb	0.20 < 0.02 ND
Acetamiprid	0.2	< 0.03	ND	Methomyl	0.40 < 0.02 ND
Aldicarb	0.40	< 0.01	ND	Methyl parathion	0.20 < 0.06 ND
Azoxystrobin	0.20	< 0.07	ND	MGK-264	0.20 < 0.13 ND
Bifenazate	0.20	< 0.02	ND	Myclobutanil	0.20 < 0.01 ND
Bifenthrin	0.20	< 0.16	ND	Naled	0.50 < 0.02 ND
Boscalid	0.40	< 0.02	ND	Oxamyl	1.0 < 0.01 ND
Carbaryl	0.20	< 0.06	ND	Paclobutrazol	0.40 < 0.02 ND
Carbofuran	0.20	< 0.03	ND	Permethrins _a	0.20 < 0.05 ND
Chlorantraniliprole	0.20	< 0.03	ND	Phosmet	0.20 < 0.01 ND
Chlorfenapyr	1.0	< 0.53	ND	Piperonyl butoxide	2.0 0.083 ND
Chlorpyrifos	0.20	< 0.03	ND	Prallethrin	0.20 < 0.11 ND
Clofentezine	0.20	< 0.09	ND	Propiconazole	0.40 < 0.02 ND
Cyfluthrin	1.0	< 0.11	ND	Propoxur	0.20 < 0.03 ND
Cypermethrin	1.0	< 0.06	ND	Pyrethrins _b	1.0 < 0.15 ND
Daminozide	1.0	< 0.29	ND	Pyridaben	0.20 < 0.02 ND
DDVP (Dichlorvos)	0.10	< 0.06	ND	Spinosad _c	0.20 < 0.05 ND
Diazinon	0.20	< 0.02	ND	Spiromesifen	0.20 < 0.02 ND
Dimethoate	0.20	< 0.02	ND	Spirotetramat	0.20 < 0.03 ND
Ethoprophos	0.20	< 0.01	ND	Spiroxamine	0.40 < 0.02 ND
Etofenprox	0.40	< 0.07	ND	Tebuconazole	0.40 < 0.02 ND
Etoxazole	0.20	< 0.02	ND	Thiacloprid	0.20 < 0.01 ND
Fenoxycarb	0.20	< 0.02	ND	Thiamethoxam	0.20 < 0.01 ND
Fenpyroximate	0.40	< 0.04	ND	Trifloxystrobin	0.20 < 0.06 ND
Fipronil	0.40	< 0.01	ND	<p>If a sample result shows a pesticide as detected and a numerical result as less than (example <0.02 ppm), this indicates the pesticide was detected, but not at a level that can be accurately measured.</p> <p>ND = Not Detected</p>	
Flonicamid	1.0	< 0.06	ND		
Fludioxonil	0.40	< 0.02	ND		
Hexythiazox	1.0	< 0.06	ND		
Imazalil	0.20	< 0.01	ND	<p><i>Matt Heist</i> Matt Heist Lab Director</p>	
Imidacloprid	0.40	< 0.03	ND		
Kresoxim-methyl	0.40	< 0.02	ND		

a Sum of Isomers: cis-Permethrin
trans-Permethrin
b Sum of Isomers: Pyrethrin I
Pyrethrin II
c Sum of Isomers: Spinosyn
A Spinosyn D