Bia Diagnostics Laboratories

Office: 802-540-0148 | Fax: 802-540-0147
480 HERCULES DR. COLCHESTER, VT 05446

Certificate of Analysis

Company: First Light Flowers LLC
PO Box 72
Greensboro Bend, VT 05842
Customer ID: 210910-01
Grower License #: 0770

Sample ID: Snow G
Lot: N/A
Matrix: Flower
Date Sampled: 11/30/2022
Date Received: 11/30/2022

Report Date: 12/20/2022
Date Analyzed: 12/18/2022
Analyst: 011
Report ID: C221130BY

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.65	0.07
CBGA	0.0008	16.41	1.64
CBG	0.0019	0.99	0.10
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	11.09	1.11
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	220.86	22.09
CBC	0.0024	0.71	0.07
Total THC		204.79	20.48
Total CBD		0.57	0.06
Total Cannabinoids		250.72	25.07

20.48% **Total THC**	0.06% **Total CBD**
25.07% **Total Cannabinoids**	1.11% **Δ9-THC**
13.18% **Percent Moisture**	1 : 0 **THC : CBD Ratio**

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:
Total THC = (THCA x 0.877) + Δ9-THC
Total CBD = (CBDA x 0.877) + CBD
Ratio of Total CBD: Total THC
Reagent Blanks: < LOQs for all analytes

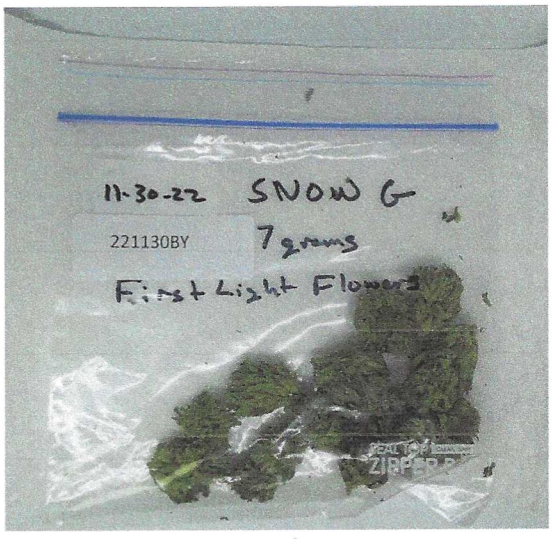
LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
Δ9-THC MU = ±0.005%
Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.



Certified by: Luke E. M
Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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Certificate of Analysis

Company: First Light Flowers LLC
PO Box 72
Greensboro Bend, VT 05842
Customer ID: 210910-01
Grower License #: 0770

Sample ID: Mix lot pesticide test
Lot: N/A
Matrix: Flower
Date Sampled: 10/8/2022
Date Received: 11/30/2022

Report Date: 12/23/2022
Date Analyzed: 12/22/2022
Analyst: 018
Report ID: C221130BX

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD

Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

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Luke Emerson Mason (Laboratory Director, Bia Diagnostics)