Bia Diagnostics Laboratories

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

Certificate of Analysis

Company: Gas Factory LLC
65 Commerce Street
Williston, VT 05495
Customer ID: 230530-0
Grower License #: CLTV-0110

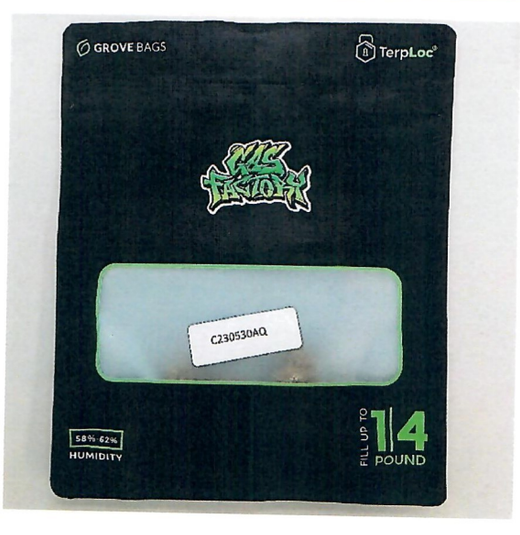
Sample ID: Apollo Eleven
Lot: HL-CLTV0110-1
Matrix: Flower
Date Sampled: N/A
Date Received: 5/30/2023

Report Date: 6/5/2023
Date Analyzed: 6/2/2023
Analyst: 011
Report ID: C230530AQ

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.42	0.14
CBGA	0.0008	3.95	0.40
CBG	0.0019	0.51	0.05
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	2.40	0.24
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	182.81	18.28
CBC	0.0024	<LOQ	<LOQ
Total THC		162.73	16.27
Total CBD		1.24	0.12
Total Cannabinoids		191.09	19.11

16.27% Total THC	0.12% Total CBD
19.11% Total Cannabinoids	0.24% Δ9-THC
12.10% 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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Report Date: 6/7/2023
Date Analyzed: 6/5/2023
Analyst: 035
Report ID: C230530AQ

Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α- Pinene	0.010	0.997	0.100
Camphene	0.010	0.129	0.013
β-Myrcene	0.010	2.887	0.289
b-Pinene	0.010	1.273	0.127
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
Limonene	0.010	2.277	0.228
p-Cymene	0.010	<LOQ	<LOQ
Ocimene	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
Y-Terpinene	0.010	0.019	0.002
Terpinolene	0.010	0.104	0.010
Linalool	0.010	2.870	0.287
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Caryophyllene	0.010	3.376	0.338
α-Humulene	0.010	1.673	0.167
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	0.526	0.053
Guaiol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	0.022	0.002
α-Bisabolol	0.010	0.017	0.002
Total Terpenes		16.170	1.618

12.10%
Percent Moisture

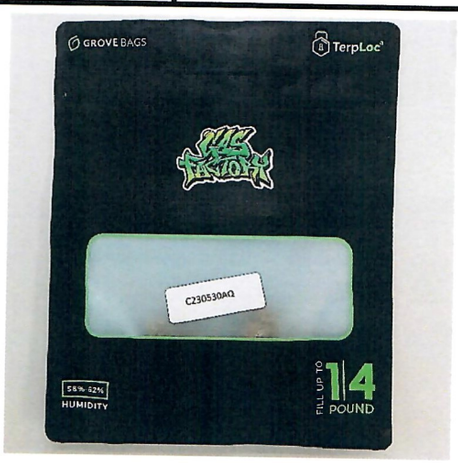
LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes

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

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



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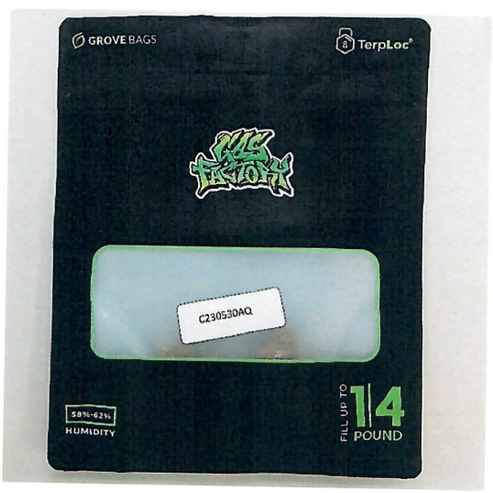
Report Date: 6/2/2023
Date Analyzed: 5/31/2023
Analyst: 045
Report ID: C230530AQ

Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Pyrethrin I	0.0010	<LOQ
Pyrethrin II	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ



12.10%
Percent Moisture

LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins 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.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

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

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Grower License #: CLTV-0110

Sample ID: Apollo Eleven
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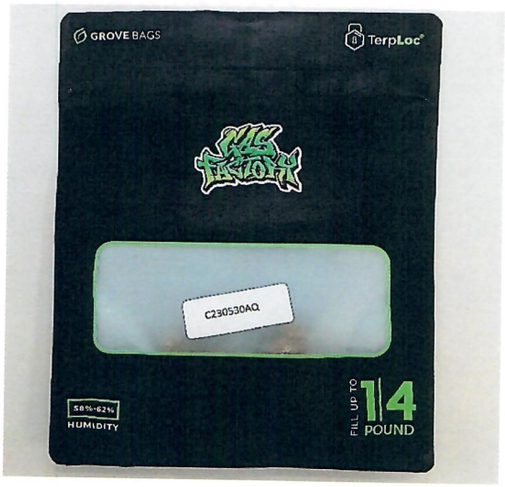
Matrix: Flower
Date Sampled: N/A
Date Received: 5/30/2023

Report Date: 6/15/2023
Date Analyzed: 6/15/2023
Analyst: 018
Report ID: C230530AQ-2
Revision of C230530AQ

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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