

Certificate of Analysis

Company: GMG FARMS LLC
 Charlotte, VT 05445

Sample ID: Greenbush Kush (Greenhouse)

Lot: 344332020DGH3-GBK

Report Date: 12/21/2020

Matrix: Flower-Dry

Date Analyzed: 12/18/2020

Customer ID: 201216-0

Date Sampled: NA

Analyst: SCG

Grower License #: 7122019073444534433

Date Received: 12/16/2020

Report ID: C201216AB

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	0.52	0.05
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	144.93	14.49
CBGA	0.0008	2.16	0.22
CBG	0.0019	0.53	0.05
CBD	0.0019	1.70	0.17
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	<LOQ	<LOQ
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	5.24	0.52
CBC	0.0024	0.43	0.04
Total THC		4.59	0.46
Total CBD		128.81	12.88
Total Cannabinoids		155.51	15.55

0.46%
Total THC

12.88%
Total CBD

15.55%
Total Cannabinoids

<LOQ
Δ9-THC

9.87%
Percent Moisture

1 : 28
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.



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Matrix: Flower-Dry

Date Analyzed: 12/18/2020

Customer ID: 201216-0

Date Sampled: NA

Analyst: CDF

Grower License #: 7122019073444534433

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Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α - Pinene	0.010	2.240	0.224
Camphene	0.010	0.097	0.010
β -Myrcene	0.010	2.742	0.274
b-Pinene	0.010	1.860	0.186
3-Carene	0.010	<LOQ	<LOQ
α -Terpinene	0.010	0.034	0.003
Limonene	0.010	2.941	0.294
ρ -Cymene	0.010	0.112	0.011
Ocimene	0.010	0.281	0.028
Eucalyptol	0.010	<LOQ	<LOQ
γ -Terpinene	0.010	0.041	0.004
Terpinolene	0.010	<LOQ	<LOQ
Linalool	0.010	0.238	0.024
Isopulegol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Caryophyllene	0.010	4.408	0.441
α -Humulene	0.010	2.587	0.259
Trans-Nerolidol	0.010	<LOQ	<LOQ
Cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	0.171	0.017
α -Bisabolol	0.010	0.559	0.056
Total Terpenes		18.311	1.831

9.87%

**Percent
Moisture**



LOQ = The lowest quantity that 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

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Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppb)	Concentration (ppb)
Abamectin	10.0	<LOQ
Acephate	1.0	<LOQ
Acequinocyl	1.0	<LOQ
Acetamiprid	1.0	<LOQ
Azoxystrobin	1.0	<LOQ
Bifenazate	1.0	<LOQ
Bifenthrin	1.0	<LOQ
Boscalid	1.0	<LOQ
Carbaryl	1.0	<LOQ
Chlorantraniliprole	1.0	<LOQ
Clofentezine	1.0	<LOQ
Cyfluthrin	10.0	<LOQ
Cypermethrin	10.0	<LOQ
Diazinon	1.0	<LOQ
Etoxazole	1.0	<LOQ
Fenpyroximate	1.0	<LOQ
Flonicamid	1.0	<LOQ
Hexythiazox	1.0	<LOQ
Imidacloprid	1.0	<LOQ
Kresoxim-methyl	1.0	<LOQ
Malathion	1.0	<LOQ
Metalaxyl	1.0	<LOQ
MGK-264	1.0	<LOQ
Methomyl	1.0	<LOQ
Myclobutanil	1.0	<LOQ
Naled	1.0	<LOQ
Oxamyl	1.0	<LOQ
Permethrin	1.0	<LOQ
Phosmet	1.0	<LOQ
Piperonylbutoxide	1.0	<LOQ
Prallethrin	1.0	<LOQ
Propiconazole	1.0	<LOQ
Pyrethrin I	1.0	<LOQ
Pyrethrin II	1.0	<LOQ
Pyridaben	1.0	<LOQ
Spinosyn A	1.0	<LOQ
Spinosyn D	1.0	<LOQ
Spiromesifen	1.0	<LOQ
Spirotetramat	1.0	<LOQ
Tebuconazole	1.0	<LOQ
Thiamethoxam	1.0	<LOQ
Trifloxystrobin	1.0	<LOQ

Category II Mycotoxin	LOQ (ppb)	Concentration (ppb)
Ochratoxin A	2.0	<LOQ
Aflatoxin B1	0.2	<LOQ
Alfatoxin B2	1.0	<LOQ
Alfatoxin G1	0.2	<LOQ
Alfatoxin G2	1.0	<LOQ

Category I Residual Pesticide	LOQ (ppb)	Concentration (ppb)
Aldicarb	1.0	<LOQ
Carbofuran	1.0	<LOQ
Chlorfenpyr	1.0	<LOQ
Chlorpyrifos	1.0	<LOQ
Daminozide	10.0	<LOQ
DDVP (Dichlorvos)	1.0	<LOQ
Dimethoate	1.0	<LOQ
Ethoprop(hos)	1.0	<LOQ
Etofenprox	1.0	<LOQ
Fenoxycarb	1.0	<LOQ
Fipronil	25.0	<LOQ
Imazalil	1.0	<LOQ
Methiocarb	1.0	<LOQ
Methyl parathion	1.0	<LOQ
Paclobutrazol	1.0	<LOQ
Propoxur	1.0	<LOQ
Spiroxamine	5.0	<LOQ
Thiacloprid	1.0	<LOQ

9.87%

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

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