

CBG Flower

Batch ID:		Test ID:	T000100734
Reported:	6-Oct-2020	Method:	TM14 \ TM21
Type:	Plant		
Test:	Dry Weight Potency (USDA)		

CANNABINOID PROFILE

Compound	Limit of Quantitation (%)	Dry Weight Result (%)	Uncertainty Interval (%)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.07	0.0901	0.0831 - 0.0970
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.0940	0.0867 - 0.1013
Cannabidiolic acid (CBDA)	0.02	ND	ND
Cannabidiol (CBD)	0.04	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.04	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.06	11.9709	11.0456 - 12.8963
Cannabigerol (CBG)	0.03	0.5540	0.5112 - 0.5969
Tetrahydrocannabivarinic Acid (THCVA)	0.06	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.05	0.4110	0.3792 - 0.4428
Cannabichromene (CBC)	0.06	0.1929	0.1780 - 0.2078
Total Cannabinoids		13.3130	12.2839 - 14.3421
Total Potential THC**		0.1730	0.1596 - 0.1864
Total Potential CBD**		0.0000	0.0000 - 0.0000

NOTES:

 Dried Sample Moisture Content = 3.31%
 Measurement Uncertainty = 7.73%

% = % (w/w) =

Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and


Total CBD = CBD + (CBDa * (0.877))


ND = None Detected (Defined by Dynamic Range of the method)

Percentage of THC on a dry weight basis = The percentage of THC, by weight in cannabis item after excluding all moisture from the item

Fail equates to "concentration level of THC on a dry weight basis of higher than 0.3 percent + or - the measurement uncertainty"

Percentage of THC dry weight
≤0.3%
USDA Pass/Fail
Pass

FINAL APPROVAL

Daniel Weidensaul
 6-Oct-2020
 5:07 PM


Ben Minton
 6-Oct-2020
 8:23 PM

PREPARED BY / DATE

APPROVED BY / DATE

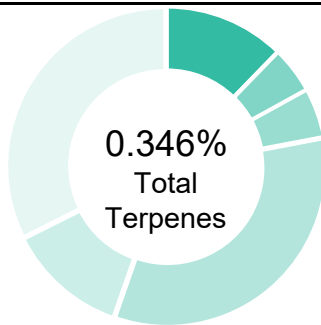
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

White CBG

Batch ID:		Test ID:	8232130.007
Reported:	29-Sep-2020	Method:	TM10
Type:	Plant		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.103	1.03
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.106	1.06
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.039	0.39
(-)-Isopulegol	0.000	0
d-Limonene	0.015	0.15
Linalool	0.016	0.16
beta-Myrcene	0.039	0.39
cis-Nerolidol	0.000	0
trans-Nerolidol	0.026	0.26
Ocimene	0.000	0
beta-Ocimene	0.002	0.02
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	0.346%	3.46


PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.039%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
d-Limonene	0.015%
Linalool	0.016%
beta-Caryophyllene	0.106%
alpha-Humulene	0.039%
(-)-alpha-Bisabolol	0.103%

NOTES:

0

FINAL APPROVAL


 Daniel Weidensaul
 29-Sep-2020
 1:43 PM


 Ben Minton
 29-Sep-2020
 3:12 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

White CBG


Batch ID:	N/A	Test ID:	T000098356
Reported:	28-Sep-2020	Method:	TM19
Type:	Plant		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.047 - 4.73	ND
Cadmium	0.044 - 4.44	ND
Mercury	0.045 - 4.53	ND
Lead	0.061 - 6.11	0.081

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL



Ryan Weems
28-Sep-2020
5:51 PM

PREPARED BY / DATE



Greg Zimpfer
28-Sep-2020
5:53 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.



Vermillion Hill Farms LLC

9202 Vermillion Road, Longmont, CO 80503 United States

is certified to the **USDA organic regulations, 7 CFR Part 205**



Scope: Crops

Once certified, a production or handling operation's organic certification continues in effect until surrendered, suspended, or revoked.

Status of this certification and specific certified organic products covered may be verified at:

<https://organic.ams.usda.gov/Integrity/CP/OPP.aspx?cid=60&nopid=2580003897>

Effective Date: October 19, 2020

Issue Date: October 27, 2020

Anniversary Date: March 31

The Anniversary Date is the due date for submitting the annual update to OneCert. It is not an expiration date.

PRODUCT NAME	CATEGORY
Hemp	100% Organic