

CBG Isolate

Batch ID:	081220	Test ID:	T000090476
Reported:	17-Aug-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE

		Compound	LOQ (%)	Result (%)	Result (mg/g)
		Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.43	ND	ND
		Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.21	ND	ND
		Cannabidiolic acid (CBDA)	0.23	ND	ND
		Cannabidiol (CBD)	0.13	ND	ND
		Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.23	ND	ND
		Cannabinolic Acid (CBNA)	0.58	ND	ND
		Cannabinol (CBN)	0.26	ND	ND
		Cannabigerolic acid (CBGA)	0.37	ND	ND
		Cannabigerol (CBG)	0.21	96.94	969.4
		Tetrahydrocannabivarinic Acid (THCVA)	0.37	ND	ND
		Tetrahydrocannabivarin (THCV)	0.19	ND	ND
		Cannabidivarinic Acid (CBDVA)	0.21	ND	ND
		Cannabidivarin (CBDV)	0.12	ND	ND
		Cannabichromenic Acid (CBCA)	0.32	ND	ND
		Cannabichromene (CBC)	0.38	ND	ND
		Total Cannabinoids		96.94	969.4
		Total Potential THC**		ND	ND
		Total Potential CBD**		ND	ND

96.94% Total Cannabinoids*	CBD 0.00% CBDa 0.00% delta 9 THC 0.00% THCa 0.00%
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NOTES:

N/A


% = % (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

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

FINAL APPROVAL

Daniel Weidensaul
 17-Aug-2020
 5:12 PM


Scott Hanson
 17-Aug-2020
 6:49 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


CBG Isolate

Batch ID:	081220	Test ID:	T000090477
Reported:	17-Aug-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	95 - 1895	*ND
Butanes (Isobutane, n-Butane)	144 - 2871	*ND
Methanol	61 - 1216	*ND
Pentane	85 - 1700	380
Ethanol	83 - 1661	*ND
Acetone	99 - 1983	*ND
Isopropyl Alcohol	104 - 2074	*ND
Hexane	6 - 119	*ND
Ethyl Acetate	99 - 1986	*ND
Benzene	0.2 - 4	*ND
Heptanes	92 - 1845	*ND
Toluene	18 - 361	*ND
Xylenes (m,p,o-Xylenes)	131 - 2615	*ND

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

NOTES:
N/A**FINAL APPROVAL**
Ryan Weems
17-Aug-2020
6:12 PM

PREPARED BY / DATE


Scott Hanson
17-Aug-2020
7:42 PM

APPROVED BY / DATE

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Certificate #4329.02

CBG Isolate

Batch ID:	081220	Test ID:	6179197.007
Reported:	18-Aug-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE

	Compound	%(w/w)	mg/g
	(-)-alpha-Bisabolol	0.000	0
	Camphene	0.000	0
	delta-3-Carene	0.000	0
0.000% Total Terpenes	beta-Caryophyllene	0.000	0
	(-)-Caryophyllene Oxide	0.000	0
	p-Cymene	0.000	0
	Eucalyptol	0.000	0
	Geraniol	0.000	0
	alpha-Humulene	0.000	0
	(-)-Isopulegol	0.000	0
	d-Limonene	0.000	0
	Linalool	0.000	0
	beta-Myrcene	0.000	0
	cis-Nerolidol	0.000	0
	trans-Nerolidol	0.000	0
	Ocimene	0.000	0
	beta-Ocimene	0.000	0
	alpha-Pinene	0.000	0
	(-)-beta-Pinene	0.000	0
	alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0	
Terpinolene	0.000	0	
	0.000%	0.00	

PREDOMINANT TERPENES

alpha-Pinene	0.000%
(-)-beta-Pinene	0.000%
beta-Myrcene	0.000%
delta-3-Carene	0.000%
alpha-Terpinene	0.000%
alpha-Limonene	0.000%
Linalool	0.000%
beta-Caryophyllene	0.000%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.000%

 NOTES:
 0

FINAL APPROVAL

 Michelle Gagnon 18-Aug-2020 1:42 PM	 Ben Minton 18-Aug-2020 2:37 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Certificate #4329.02

CBG Isolate


Batch ID:	081220	Test ID:	6488737.0024
Reported:	18-Aug-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	42 - 2604	ND*	Malathion	303 - 2604	ND*
Acetamiprid	42 - 2604	ND*	Metalaxyl	47 - 2604	ND*
Abamectin	>310	ND*	Methiocarb	43 - 2604	ND*
Azoxystrobin	44 - 2604	ND*	Methomyl	44 - 2604	ND*
Bifenazate	32 - 2604	ND*	MGK 264 1	181 - 2604	ND*
Boscalid	40 - 2604	ND*	MGK 264 2	112 - 2604	ND*
Carbaryl	41 - 2604	ND*	Myclobutanil	46 - 2604	ND*
Carbofuran	45 - 2604	ND*	Naled	49 - 2604	ND*
Chlorantraniliprole	37 - 2604	ND*	Oxamyl	43 - 2604	ND*
Chlorpyrifos	45 - 2604	ND*	Paclobutrazol	48 - 2604	ND*
Clofentezine	315 - 2604	ND*	Permethrin	302 - 2604	ND*
Diazinon	299 - 2604	ND*	Phosmet	46 - 2604	ND*
Dichlorvos	>300	ND*	Prophos	306 - 2604	ND*
Dimethoate	42 - 2604	ND*	Propoxur	46 - 2604	ND*
E-Fenpyroximate	302 - 2604	ND*	Pyridaben	308 - 2604	ND*
Etofenprox	44 - 2604	ND*	Spinosad A	31 - 2604	ND*
Etoxazole	310 - 2604	ND*	Spinosad D	80 - 2604	ND*
Fenoxycarb	>50	ND*	Spiromesifen	>286	ND*
Fipronil	39 - 2604	ND*	Spirotetramat	>315	ND*
Flonicamid	49 - 2604	ND*	Spiroxamine 1	20 - 2604	ND*
Fludioxonil	>319	ND*	Spiroxamine 2	25 - 2604	ND*
Hexythiazox	47 - 2604	ND*	Tebuconazole	307 - 2604	ND*
Imazalil	284 - 2604	ND*	Thiacloprid	43 - 2604	ND*
Imidacloprid	46 - 2604	ND*	Thiamethoxam	40 - 2604	ND*
Kresoxim-methyl	48 - 2604	ND*	Trifloxystrobin	46 - 2604	ND*

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

N/A

FINAL APPROVAL

 Tyler Wiese
 18-Aug-2020
 6:09 PM
 PREPARED BY / DATE


 Ben Minton
 18-Aug-2020
 6:28 PM
 APPROVED BY / DATE

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