

Prepared for:  
**PETDINE LLC**

4700 INNOVATION DR. B-3  
FORT COLLINS, CO USA 80525


## 4531570 Green Gruff SOOTHE Black


Batch ID or Lot Number: <b>20223335-1 377 (Beg,Mid,End composite sample)</b>	Test: <b>Potency</b>	Reported: <b>15Dec2022</b>	USDA License: N/A
Matrix: Unit	Test ID: T000230446	Started: 14Dec2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 13Dec2022	Status: N/A

### Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.032	0.113	<LOQ	<LOQ	# of Servings = , Sample Weight=1.965g
Cannabichromenic Acid (CBCA)	0.029	0.103	ND	ND	
Cannabidiol (CBD)	0.102	0.309	2.850	1.50	
Cannabidiolic Acid (CBDA)	0.105	0.317	ND	ND	
Cannabidivarin (CBDV)	0.024	0.073	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.044	0.132	ND	ND	
Cannabigerol (CBG)	0.018	0.064	ND	ND	
Cannabigerolic Acid (CBGA)	0.075	0.269	ND	ND	
Cannabinol (CBN)	0.024	0.084	ND	ND	
Cannabinolic Acid (CBNA)	0.051	0.183	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.090	0.320	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.082	0.291	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.072	0.257	ND	ND	
Tetrahydrocannabivarin (THCV)	0.016	0.058	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.064	0.227	ND	ND	
<b>Total Cannabinoids</b>			<b>2.850</b>	<b>1.50</b>	
Total Potential THC			ND	ND	
Total Potential CBD			2.850	1.50	

### Final Approval

  
PREPARED BY / DATE  
Sam Smith  
15Dec2022  
12:39:00 PM MST

  
APPROVED BY / DATE  
Karen Winternheimer  
15Dec2022  
12:43:00 PM MST



<https://results.botanacor.com/api/v1/coas/uuid/fdad7d1e-7396-4459-8f76-08959913fc3e>

**Definitions**  
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).  
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

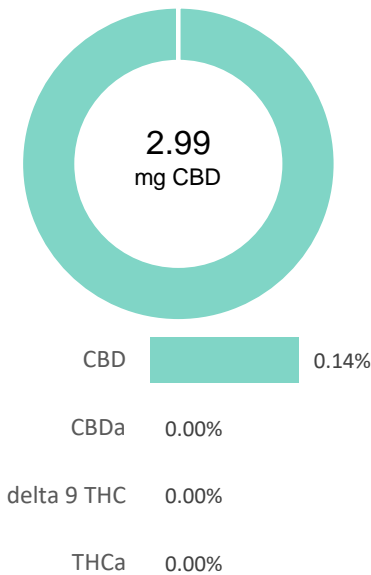
Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02  
fdad7d1e739644598f7608959913fc3e.1

**Green Gruff SOOTHE Skin & Coat**

<b>Batch ID:</b>	20210894-4 243	<b>Test ID:</b>	T000132772
<b>Type:</b>	Unit	<b>Submitted:</b>	04/02/2021 @ 01:47 PM
<b>Test:</b>	Potency	<b>Started:</b>	4/5/2021
<b>Method:</b>	TM14	<b>Reported:</b>	4/7/2021

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	ND	ND
Cannabidiolic acid (CBDA)	0.11	ND	ND
Cannabidiol (CBD)	0.10	2.99	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.09	ND	ND
Cannabigerol (CBG)	0.02	0.09	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.04	ND	ND
Cannabidivarin (CBDV)	0.02	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
<b>Total Cannabinoids</b>		<b>3.08</b>	<b>1.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.99	1.4

**NOTES:**

# of Servings = 1, Sample Weight=2.11203g

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

**FINAL APPROVAL**

 Daniel Weidensaul 7-Apr-2021 1:24 PM	 Tyler Wiese 7-Apr-2021 1:28 PM
--	---

PREPARED BY / DATE

APPROVED BY / DATE

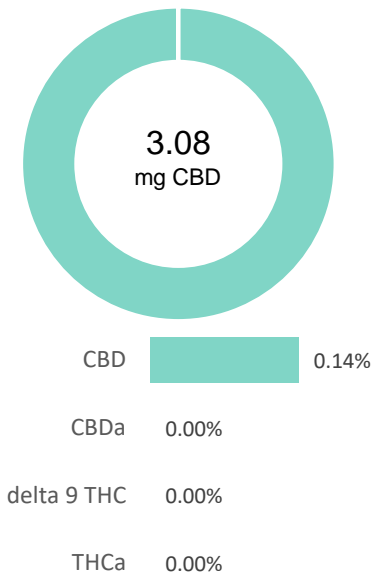
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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

**Green Gruff Soothe Black Label Skin and Coat**

<b>Batch ID:</b>	Lot#20210894-3 783	<b>Test ID:</b>	T000132742
<b>Type:</b>	Unit	<b>Submitted:</b>	04/02/2021 @ 11:30 AM
<b>Test:</b>	Potency	<b>Started:</b>	4/5/2021
<b>Method:</b>	TM14	<b>Reported:</b>	4/6/2021

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	ND	ND
Cannabidiolic acid (CBDA)	0.10	ND	ND
Cannabidiol (CBD)	0.10	3.08	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.09	ND	ND
Cannabigerol (CBG)	0.02	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.04	ND	ND
Cannabidivarin (CBDV)	0.02	ND	ND
Cannabichromenic Acid (CBCA)	0.04	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
<b>Total Cannabinoids</b>		<b>3.18</b>	<b>1.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		3.08	1.4

**NOTES:**

# of Servings = 1, Sample Weight=2.175726g

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

**FINAL APPROVAL**

 Ryan Weems 6-Apr-2021 1:06 PM	 Sam Smith 6-Apr-2021 1:10 PM
--	---

PREPARED BY / DATE

APPROVED BY / DATE

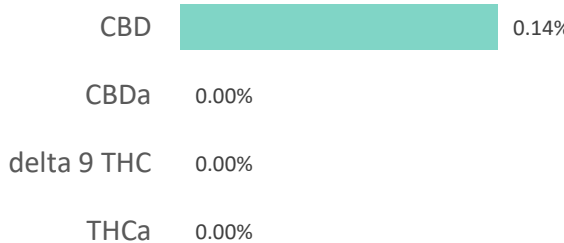
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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

**3359 Green Gruff Soothe - 153**

<b>Batch ID:</b>	20200561	<b>Test ID:</b>	2898817.0041
<b>Reported:</b>	3-Mar-2020	<b>Method:</b>	TM14
<b>Type:</b>	Unit		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	ND	ND
Cannabidiolic acid (CBDA)	0.04	ND	ND
Cannabidiol (CBD)	0.02	2.90	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.02	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.04	ND	ND
Cannabidivarin (CBDV)	0.02	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
<b>Total Cannabinoids</b>		<b>2.90</b>	<b>1.40</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.90	1.40

% = % (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)

**NOTES:**  
 # of Servings = 1, Sample Weight=2.07514g  
 N/A

**FINAL APPROVAL**

*Mara Miller*  
 Mara Miller  
 3-Mar-2020  
 4:01 PM

*Greg Zimpfer*  
 Greg Zimpfer  
 3-Mar-2020  
 4:31 PM

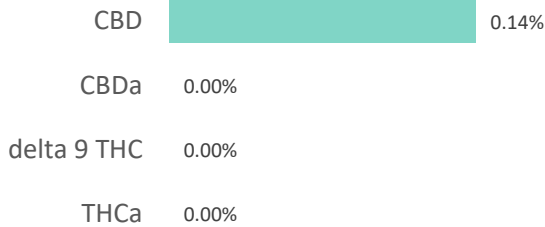
PREPARED BY / DATE APPROVED BY / DATE

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



**3241 Green Gruff Soothe - 422**

<b>Batch ID:</b>	20193391	<b>Test ID:</b>	9828169.0015
<b>Reported:</b>	9-Dec-2019	<b>Method:</b>	TM14
<b>Type:</b>	Unit		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.06	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.00	0.0
Cannabidiolic acid (CBDA)	0.08	0.00	0.0
Cannabidiol (CBD)	0.05	2.70	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.03	0.00	0.0
Cannabinolic Acid (CBNA)	0.08	0.00	0.0
Cannabinol (CBN)	0.04	0.00	0.0
Cannabigerolic acid (CBGA)	0.05	0.00	0.0
Cannabigerol (CBG)	0.03	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.05	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.03	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.07	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.04	0.00	0.0
Cannabichromene (CBC)	0.05	0.00	0.0
<b>Total Cannabinoids</b>		<b>2.70</b>	<b>1.35</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.70	1.35

**NOTES:**


# of Servings = 1, Sample Weight=2g

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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Tyler Wiese  
9-Dec-2019  
2:34 PM

PREPARED BY / DATE



David Green  
9-Dec-2019  
2:43 PM

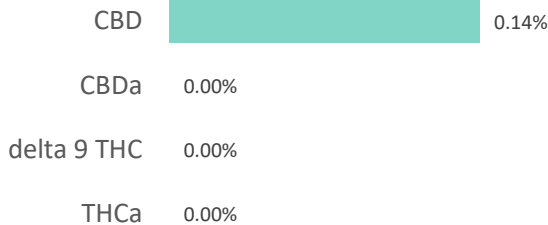
APPROVED BY / DATE

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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



**Green Gruff Soothe- 620 (3146C)**

<b>Batch ID:</b>	20192902	<b>Test ID:</b>	9739591.0043
<b>Reported:</b>	22-Oct-2019	<b>Method:</b>	TM14
<b>Type:</b>	Unit		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.02	0.00	0.0
Cannabidiolic acid (CBDA)	0.04	0.00	0.0
Cannabidiol (CBD)	0.02	2.70	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	0.00	0.0
Cannabinolic Acid (CBNA)	0.05	0.00	0.0
Cannabinol (CBN)	0.02	0.00	0.0
Cannabigerolic acid (CBGA)	0.03	0.00	0.0
Cannabigerol (CBG)	0.02	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.03	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.02	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.03	0.00	0.0
Cannabidivarin (CBDV)	0.02	0.00	0.0
Cannabichromenic Acid (CBCA)	0.03	0.00	0.0
Cannabichromene (CBC)	0.03	0.00	0.0
<b>Total Cannabinoids</b>		<b>2.70</b>	<b>1.37</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.70	1.37

**NOTES:**


# of Servings = 1, Sample Weight=1.97658g

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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Alex Smith  
22-Oct-2019  
6:52 PM

PREPARED BY / DATE



David Green  
22-Oct-2019  
7:43 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. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02

