

Prepared for:  
**PETDINE LLC**

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


## 6234 Green Gruff EASE Black


Batch ID or Lot Number: <b>20230075-1 253</b>	Test: <b>Potency</b>	Reported: <b>16Jan2023</b>	USDA License: N/A
Matrix: Unit	Test ID: T000232619	Started: 13Jan2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 12Jan2023	Status: N/A

### Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.031	0.110	<LOQ	<LOQ	# of Servings = 1, Sample Weight=2.103g
Cannabichromenic Acid (CBCA)	0.028	0.101	ND	ND	
Cannabidiol (CBD)	0.102	0.345	2.960	1.40	
Cannabidiolic Acid (CBDA)	0.104	0.354	ND	ND	
Cannabidivarin (CBDV)	0.024	0.082	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.043	0.148	ND	ND	
Cannabigerol (CBG)	0.017	0.063	ND	ND	
Cannabigerolic Acid (CBGA)	0.073	0.261	ND	ND	
Cannabinol (CBN)	0.023	0.082	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.050	0.178	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.087	0.311	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.079	0.283	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.070	0.251	ND	ND	
Tetrahydrocannabivarin (THCV)	0.016	0.057	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.062	0.221	ND	ND	
<b>Total Cannabinoids</b>			<b>2.960</b>	<b>1.40</b>	
Total Potential THC			ND	ND	
Total Potential CBD			2.960	1.40	

### Final Approval

  
PREPARED BY / DATE  
Sam Smith  
16Jan2023  
03:02:00 PM MST

  
APPROVED BY / DATE  
Karen Winternheimer  
16Jan2023  
03:06:00 PM MST



<https://results.botanacor.com/api/v1/coas/uuid/8a337263-2658-409d-81c5-ae91aaddcf28>

**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  
8a3372632658409d81c5ae91aaddcf28.1

Prepared for:  
**PETDINE LLC**

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

## 6238 Green Gruff EASE Black

Batch ID or Lot Number: <b>20223335-2 664 (Beg, Mid, End composite sample)</b>	Test: <b>Potency</b>	Reported: <b>15Dec2022</b>	USDA License: N/A
Matrix: Unit	Test ID: T000230447	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)	0.034	0.122	<LOQ	<LOQ	# of Servings = , Sample Weight=2.086g
Cannabichromenic Acid (CBCA)	0.031	0.112	ND	ND	
Cannabidiol (CBD)	0.110	0.334	2.710	1.30	
Cannabidiolic Acid (CBDA)	0.113	0.342	ND	ND	
Cannabidivarin (CBDV)	0.026	0.079	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.047	0.143	ND	ND	
Cannabigerol (CBG)	0.019	0.069	ND	ND	
Cannabigerolic Acid (CBGA)	0.081	0.289	ND	ND	
Cannabinol (CBN)	0.025	0.090	ND	ND	
Cannabinolic Acid (CBNA)	0.055	0.197	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.097	0.345	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.088	0.313	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.078	0.277	ND	ND	
Tetrahydrocannabivarin (THCV)	0.018	0.063	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.069	0.245	ND	ND	
<b>Total Cannabinoids</b>			<b>2.710</b>	<b>1.30</b>	
Total Potential THC			ND	ND	
Total Potential CBD			2.710	1.30	

### 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/6a63d64b-408b-41de-9378-b4b045a15dd3>

**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.

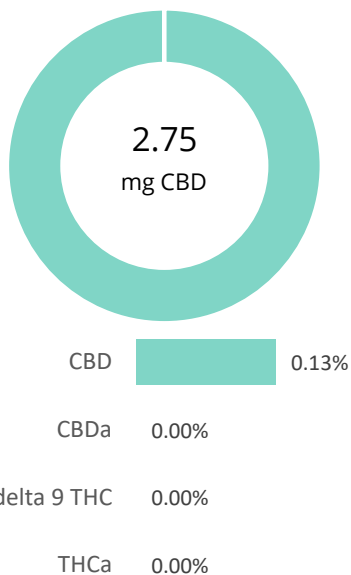


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4783 Green Gruff Ease Black-750

<b>Batch ID:</b>	20212931	<b>Test ID:</b>	T000170271
<b>Type:</b>	Unit	<b>Submitted:</b>	10/18/2021 @ 10:55 AM
<b>Test:</b>	Potency	<b>Started:</b>	10/18/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/19/2021

## 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	2.75	1.3
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>2.84</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.75	1.3

% = % (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)

### NOTES:

# of Servings = 1, Sample Weight=2.063g

## FINAL APPROVAL



 Daniel Weidensaul  
 19-Oct-2021  
 1:34 PM



 Karen Winterheime  
 19-Oct-2021  
 1:36 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

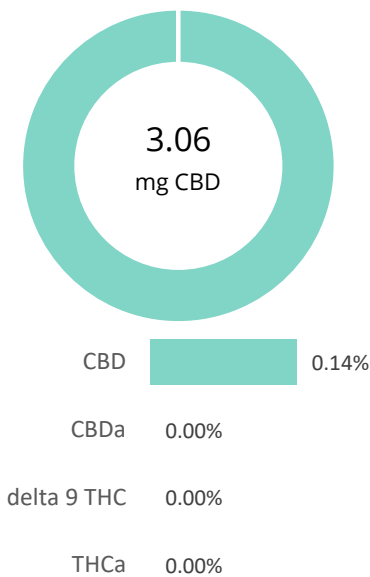


Certificate #4329.02

4953-1 Green Gruff EASE Black

<b>Batch ID:</b>	20212844-1 433	<b>Test ID:</b>	T000169434
<b>Type:</b>	Unit	<b>Submitted:</b>	10/13/2021 @ 12:03 PM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/14/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.11	ND	ND
Cannabidiol (CBD)	0.10	3.06	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.02	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.09	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>3.16</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		3.06	1.4

% = % (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.

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


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

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

### NOTES:

# of Servings = 1, Sample Weight=2.191g

## FINAL APPROVAL

 <b>Rvan Weems</b> 14-Oct-2021 4:17 PM	 <b>Sam Smith</b> 14-Oct-2021 4:19 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

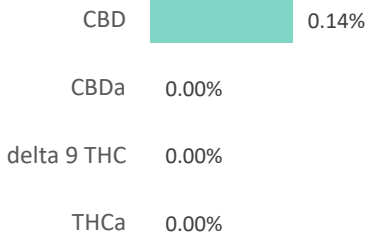
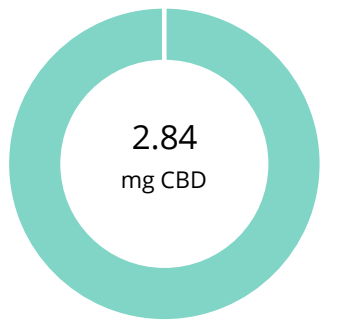


Certificate #4329.02

4953-1 Green Gruff EASE Black

<b>Batch ID:</b>	20212844-1 462	<b>Test ID:</b>	T000169432
<b>Type:</b>	Unit	<b>Submitted:</b>	10/13/2021 @ 12:03 PM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/14/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.11	ND	ND
Cannabidiol (CBD)	0.10	2.84	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.02	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.09	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>2.94</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.84	1.4

% = % (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.

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



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

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

### NOTES:

# of Servings = 1, Sample Weight=2.089g

## FINAL APPROVAL

 <b>Rvan Weems</b> 14-Oct-2021 4:17 PM	 <b>Sam Smith</b> 14-Oct-2021 4:19 PM
PREPARED BY / DATE	APPROVED BY / DATE

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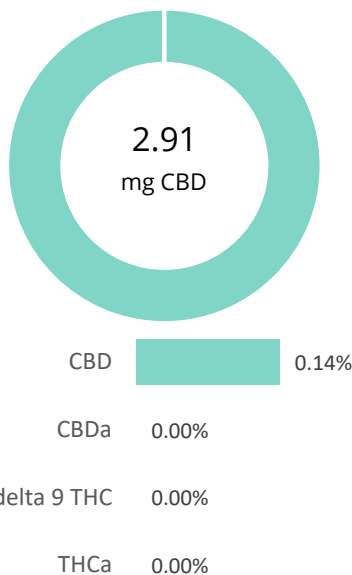


Certificate #4329.02

4953-1 Green Gruff EASE Black

<b>Batch ID:</b>	20212844-1 810	<b>Test ID:</b>	T000169433
<b>Type:</b>	Unit	<b>Submitted:</b>	10/13/2021 @ 12:03 PM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/14/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.10	ND	ND
Cannabidiol (CBD)	0.10	2.91	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	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>3.01</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.91	1.4

% = % (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.

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



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

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

### NOTES:

# of Servings = 1, Sample Weight=2.124g

## FINAL APPROVAL

 <b>Rvan Weems</b> 14-Oct-2021 4:17 PM	 <b>Sam Smith</b> 14-Oct-2021 4:19 PM
PREPARED BY / DATE	APPROVED BY / DATE

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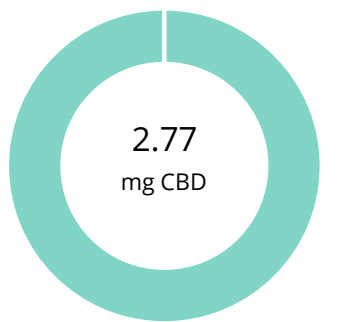


Certificate #4329.02

4953-2 Green Gruff EASE Black

<b>Batch ID:</b>	20212854-1 334	<b>Test ID:</b>	T000169607
<b>Type:</b>	Unit	<b>Submitted:</b>	10/14/2021 @ 11:48 AM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/15/2021

## CANNABINOID PROFILE



CBD 0.13%

CBDa 0.00%

delta 9 THC 0.00%

THCa 0.00%

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.10	ND	ND
Cannabidiol (CBD)	0.10	2.77	1.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.02	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.09	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>2.87</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.77	1.3

% = % (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)

### NOTES:

# of Servings = 1, Sample Weight=2.08g

## FINAL APPROVAL



 Sam Smith  
 15-Oct-2021  
 11:26 AM



 Daniel Weidensaul  
 15-Oct-2021  
 11:29 AM

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

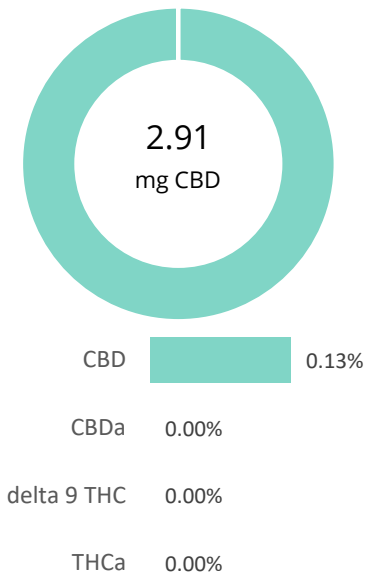


Certificate #4329.02

4953-2 Green Gruff EASE Black

<b>Batch ID:</b>	20212854-1 789	<b>Test ID:</b>	T000169609
<b>Type:</b>	Unit	<b>Submitted:</b>	10/14/2021 @ 11:48 AM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/15/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.11	ND	ND
Cannabidiol (CBD)	0.10	2.91	1.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.02	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.09	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>3.01</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.91	1.3

### NOTES:

# of Servings = 1, Sample Weight=2.165g

% = % (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

 PREPARED BY / DATE	Sam Smith 15-Oct-2021 11:26 AM	 APPROVED BY / DATE	Daniel Weidensaul 15-Oct-2021 11:29 AM
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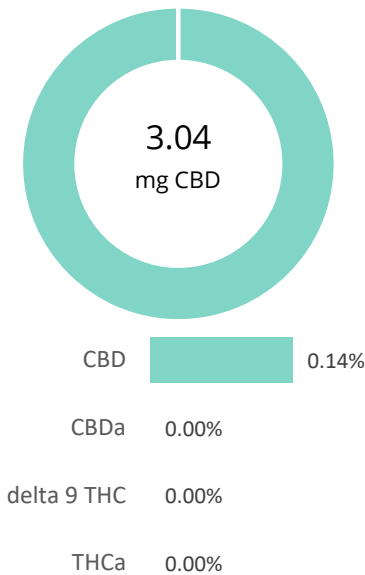
Certificate #4329.02



4953-2 Green Gruff EASE Black

<b>Batch ID:</b>	20212854-1 907	<b>Test ID:</b>	T000169608
<b>Type:</b>	Unit	<b>Submitted:</b>	10/14/2021 @ 11:48 AM
<b>Test:</b>	Potency	<b>Started:</b>	10/14/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	10/15/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.10	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.11	ND	ND
Cannabidiolic acid (CBDA)	0.11	ND	ND
Cannabidiol (CBD)	0.11	3.04	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.12	ND	ND
Cannabinolic Acid (CBNA)	0.07	ND	ND
Cannabinol (CBN)	0.03	ND	ND
Cannabigerolic acid (CBGA)	0.10	ND	ND
Cannabigerol (CBG)	0.03	0.10	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.09	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.05	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>3.14</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		3.04	1.4

% = % (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)

### NOTES:

# of Servings = 1, Sample Weight=2.241g

## FINAL APPROVAL

 PREPARED BY / DATE 15-Oct-2021 11:26 AM	Sam Smith 15-Oct-2021 11:26 AM	 APPROVED BY / DATE 15-Oct-2021 11:29 AM	Daniel Weidensaul 15-Oct-2021 11:29 AM
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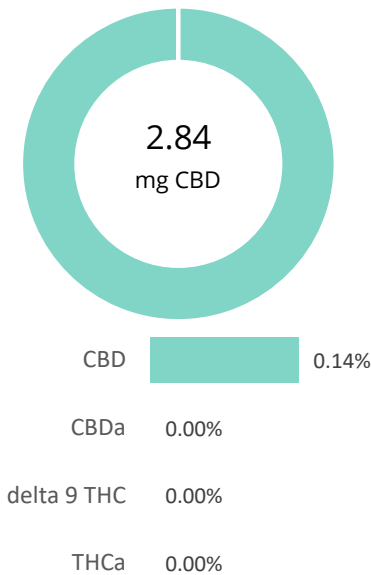


Certificate #4329.02

4769 Green Gruff Ease #934

<b>Batch ID:</b>	20211681	<b>Test ID:</b>	T000147234
<b>Type:</b>	Unit	<b>Submitted:</b>	06/21/2021 @ 10:42 AM
<b>Test:</b>	Potency	<b>Started:</b>	6/21/2021
<b>Method:</b>	TM14	<b>Reported:</b>	6/22/2021

## CANNABINOID PROFILE



Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.08	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.09	ND	ND
Cannabidiolic acid (CBDA)	0.09	ND	ND
Cannabidiol (CBD)	0.09	2.84	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.10	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)	0.07	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>2.93</b>	<b>1.5</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.84	1.4

% = % (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)

### NOTES:

# of Servings = 1, Sample Weight=2.01g

## FINAL APPROVAL

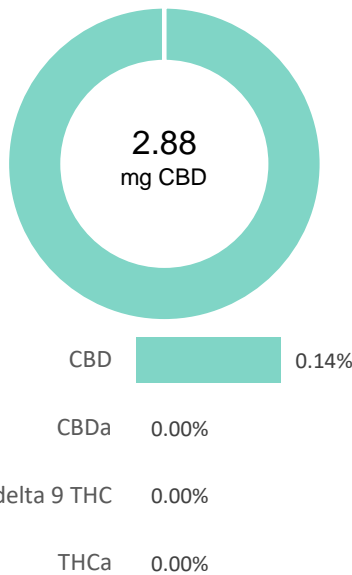
 Taylor Brevik 22-Jun-2021 12:47 PM	 Daniel Weidensaul 22-Jun-2021 1:02 PM
PREPARED BY / DATE	APPROVED BY / DATE

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**Green Gruff EASE**

<b>Batch ID:</b>	LOT# 20210894-2 0624	<b>Test ID:</b>	T000132696
<b>Type:</b>	Unit	<b>Submitted:</b>	04/02/2021 @ 11:31 AM
<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)	0.10	ND	ND
Cannabidiol (CBD)	0.10	2.88	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	0.08	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>2.96</b>	<b>1.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.88	1.4

% = % (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=2.09459g  
 Name of sample AMENDED by JA 04-14-21  
 Requested by Client

**FINAL APPROVAL**

 Daniel Weidensaul 7-Apr-2021 1:24 PM	 Tyler Wiese 7-Apr-2021 1:28 PM
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PREPARED BY / DATE

APPROVED BY / DATE

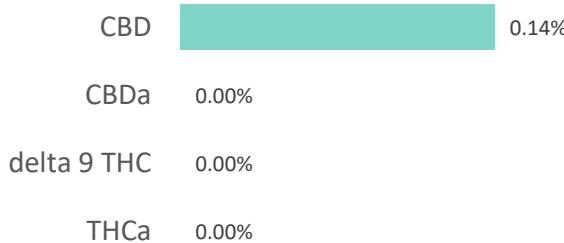
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods.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

**3358 GREEN GRUFF EASE - 62**

<b>Batch ID:</b>	20200561	<b>Test ID:</b>	8917951.0050
<b>Reported:</b>	2-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)	0.03	ND	ND
Cannabidiol (CBD)	0.02	2.80	1.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	ND	ND
Cannabinolic Acid (CBNA)	0.05	ND	ND
Cannabinol (CBN)	0.02	ND	ND
Cannabigerolic acid (CBGA)	0.03	ND	ND
Cannabigerol (CBG)	0.02	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.03	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	ND	ND
Cannabidivarinic Acid (CBDVA)	0.03	ND	ND
Cannabidivarin (CBDV)	0.02	ND	ND
Cannabichromenic Acid (CBCA)	0.03	ND	ND
Cannabichromene (CBC)	0.03	ND	ND
<b>Total Cannabinoids</b>		<b>2.80</b>	<b>1.38</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.80	1.38

% = % (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=2.02549g  
 N/A

**FINAL APPROVAL**

*Sam Smith*  
 Sam Smith  
 2-Mar-2020  
 9:27 AM

*Greg Zimpfer*  
 Greg Zimpfer  
 2-Mar-2020  
 11:25 AM

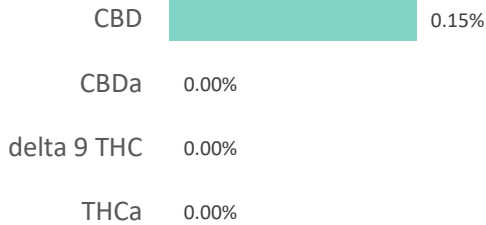
PREPARED BY / DATE APPROVED BY / DATE

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**3239 GREEN GRUFF EASE - 761**

<b>Batch ID:</b>	20193371	<b>Test ID:</b>	8304090.0041
<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)	0.03	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.00	0.0
Cannabidiolic acid (CBDA)	0.04	0.00	0.0
Cannabidiol (CBD)	0.02	2.90	1.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.02	0.00	0.0
Cannabinolic Acid (CBNA)	0.04	0.00	0.0
Cannabinol (CBN)	0.02	0.00	0.0
Cannabigerolic acid (CBGA)	0.02	0.00	0.0
Cannabigerol (CBG)	0.01	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.02	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.04	0.00	0.0
Cannabidivarin (CBDV)	0.02	0.00	0.0
Cannabichromenic Acid (CBCA)	0.02	0.00	0.0
Cannabichromene (CBC)	0.03	0.00	0.0
<b>Total Cannabinoids</b>		<b>2.90</b>	<b>1.45</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.90	1.45

**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**


**Ryan Weems**  
 9-Dec-2019  
 4:36 PM

PREPARED BY / DATE



**David Green**  
 9-Dec-2019  
 5:34 PM

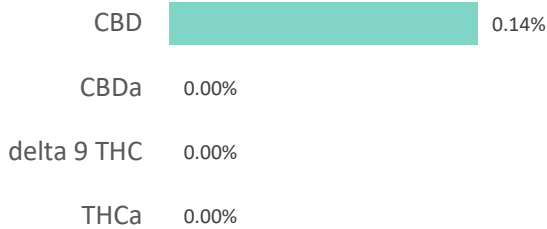
APPROVED BY / DATE

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**Green Gruff Ease - 420 (3146A)**

<b>Batch ID:</b>	20192912	<b>Test ID:</b>	9739591.0041
<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	2.80	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)	0.04	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>2.80</b>	<b>1.36</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.80	1.36

**NOTES:**

# of Servings = 1, Sample Weight=2.06319g

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

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