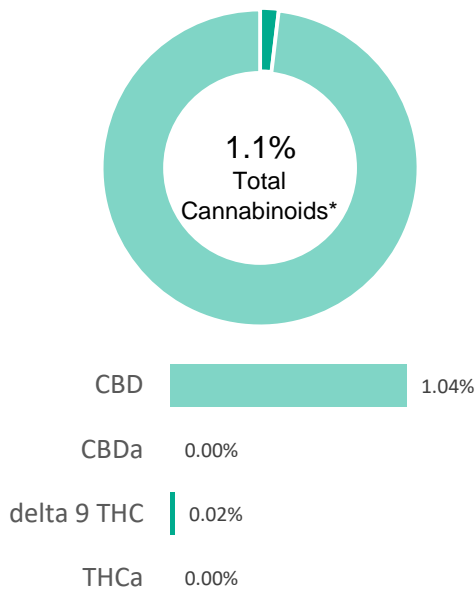


**Cooling Cream-Batch LGMS3003158-61**

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	6629636.0061
<b>Reported:</b>	28-Oct-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.02	0.2
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	1.04	10.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.00	0.0
Cannabinolic Acid (CBNA)	0.01	0.00	0.0
Cannabinol (CBN)	0.01	0.00	0.0
Cannabigerolic acid (CBGA)	0.01	0.00	0.0
Cannabigerol (CBG)	0.01	0.03	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.00	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.02	0.00	0.0
Cannabidivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.01	0.00	0.0
Cannabichromene (CBC)	0.01	0.01	0.1
<b>Total Cannabinoids</b>		<b>1.10</b>	<b>11.00</b>
Total Potential THC**		0.02	0.20
Total Potential CBD**		1.04	10.40

**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 \*(0.877))

**FINAL APPROVAL**
  
**Ryan Weems**  
 28-Oct-2019  
 5:08 PM  
 PREPARED BY / DATE

  
**Greg Zimpfer**  
 28-Oct-2019  
 5:14 PM  
 APPROVED BY / DATE

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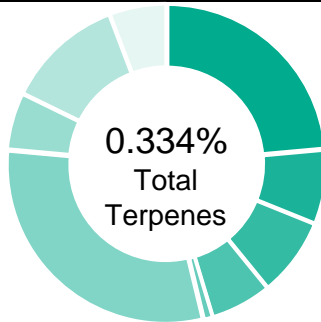


prepared for: RAD EXTRACTION  
860 COMMERCIAL LANE  
PALMER LAKE, CO 80133

Cooling Cream-Batch LGMS3003158-61

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	2662061.0036
<b>Reported:</b>	9-Dec-2019	<b>Method:</b>	TM10
<b>Type:</b>	Concentrate		
<b>Test:</b>	Terpenes		

## TERPENE PROFILE



### PREDOMINANT TERPENES

alpha-Pinene	0.053%
(-)-beta-Pinene	0.017%
beta-Myrcene	0.018%
delta-3-Carene	0.014%
alpha-Terpinene	0.002%
d-Limonene	0.068%
Linalool	0.013%
beta-Caryophyllene	0.027%
alpha-Humulene	0.000%
(-)-alpha-Bisabolol	0.013%

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.013	0.13
Camphene	0.005	0.05
delta-3-Carene	0.014	0.14
beta-Caryophyllene	0.027	0.27
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.095	0.95
Geraniol	0.000	0
alpha-Humulene	0.000	0
(-)-Isopulegol	0.000	0
d-Limonene	0.068	0.68
Linalool	0.013	0.13
beta-Myrcene	0.018	0.18
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.001	0.01
beta-Ocimene	0.000	0
alpha-Pinene	0.053	0.53
(-)-beta-Pinene	0.017	0.17
alpha-Terpinene	0.002	0.02
gamma-Terpinene	0.006	0.06
Terpinolene	0.002	0.02
	<b>0.334%</b>	<b>3.34</b>

### NOTES:

0

## FINAL APPROVAL



Daniel Weidensaul  
9-Dec-2019  
1:47 PM



David Green  
9-Dec-2019  
2:13 PM

PREPARED BY / DATE

APPROVED BY / DATE

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**Cooling Cream-Batch LGMS3003158-61**

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	1892194.0015
<b>Reported:</b>	4-Dec-2019	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		

**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2404	ND*
Acetamiprid	52 - 2404	ND*
Avermectin	312 - 2404	ND*
Azoxystrobin	52 - 2404	ND*
Bifenazate	52 - 2404	ND*
Boscalid	312 - 2404	ND*
Carbaryl	52 - 2404	ND*
Carbofuran	52 - 2404	ND*
Chlorantraniliprole	52 - 2404	ND*
Chlorpyrifos	312 - 2404	ND*
Clofentezine	52 - 2404	ND*
Diazinon	52 - 2404	ND*
Dichlorvos	312 - 2404	ND*
Dimethoate	52 - 2404	ND*
E-Fenpyroximate	312 - 2404	ND*
Etofenprox	312 - 2404	ND*
Etoxazole	312 - 2404	ND*
Fenoxycarb	52 - 2404	ND*
Fipronil	312 - 2404	ND*
Flonicamid	52 - 2404	ND*
Fludioxonil	312 - 2404	ND*
Hexythiazox	312 - 2404	ND*
Imazalil	312 - 2404	ND*
Imidacloprid	52 - 2404	ND*
Kresoxim-methyl	52 - 2404	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	52 - 2404	ND*
Metalaxyl	312 - 2404	ND*
Methiocarb	52 - 2404	ND*
Methomyl	52 - 2404	ND*
MGK 264 1	52 - 2404	ND*
MGK 264 2	312 - 2404	ND*
Myclobutanil	312 - 2404	ND*
Naled	312 - 2404	ND*
Oxamyl	52 - 2404	ND*
Paclobutrazol	52 - 2404	ND*
Permethrin	312 - 2404	ND*
Phosmet	52 - 2404	ND*
Prophos	312 - 2404	ND*
Propoxur	312 - 2404	ND*
Pyridaben	312 - 2404	ND*
Spinosad A	52 - 2404	ND*
Spinosad D	312 - 2404	ND*
Spiromesifen	52 - 2404	ND*
Spirotetramat	312 - 2404	ND*
Spiroxamine 1	52 - 2404	ND*
Spiroxamine 2	52 - 2404	ND*
Tebuconazole	52 - 2404	ND*
Thiacloprid	52 - 2404	ND*
Thiamethoxam	52 - 2404	ND*
Trifloxystrobin	312 - 2404	ND*

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

N/A

**FINAL APPROVAL**

  
**Sam Smith**  
 4-Dec-2019  
 6:32 AM

PREPARED BY / DATE

  
**David Green**  
 4-Dec-2019  
 8:47 AM

APPROVED BY / DATE

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## Cooling Cream-Batch LGMS3003158-61

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	8825391.026
<b>Reported:</b>	30-Nov-2019	<b>Method:</b>	Topical - Test Methods: TM05, TM06
<b>Type:</b>	Topical		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:


Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

## FINAL APPROVAL



Robert Belfon  
30-Nov-2019  
6:10 PM



Mike Branvold  
30-Nov-2019  
8:23 PM

PREPARED BY / DATE

APPROVED BY / DATE

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## Cooling Cream-Batch LGMS3003158-61

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	1776426.008
<b>Reported:</b>	5-Dec-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	>2000
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	104
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL

Karen Winternheimer  
5-Dec-2019  
2:54 PMGreg Zimpfer  
5-Dec-2019  
3:53 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02


## Cooling Cream-Batch LGMS3003158-61

<b>Batch ID:</b>	LGMS3003158-61	<b>Test ID:</b>	T000039334
<b>Reported:</b>	12-Dec-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL



Alex Smith  
12-Dec-2019  
7:11 AM

PREPARED BY / DATE



Greg Zimpfer  
12-Dec-2019  
8:24 AM

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.