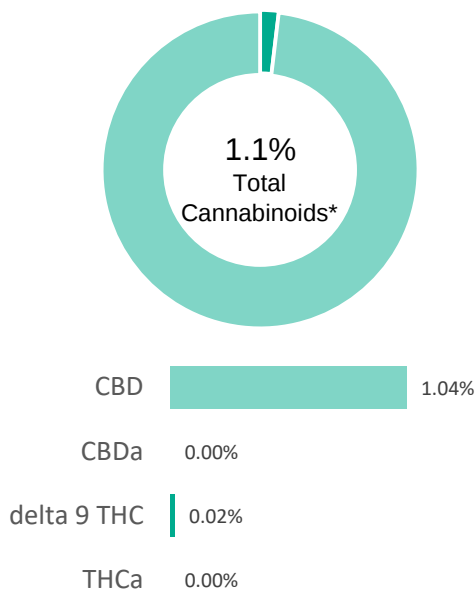


Cooling Cream-Batch 3158-61

Batch ID:	LGMS3003158-61	Test ID:	6629636.0061
Reported:	28-Oct-2019	Method:	TM14
Type:	Concentrate		
Test:	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
Total Cannabinoids		1.10	11.00
Total Potential THC**		0.02	0.20
Total Potential CBD**		1.04	10.40

% = % (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))

NOTES:

N/A

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 3158-61

Batch ID: LGMS3003158-61

Test ID: 2662061.0036

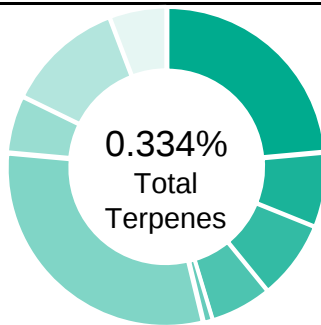
Reported: 9-Dec-2019

Method: TM10

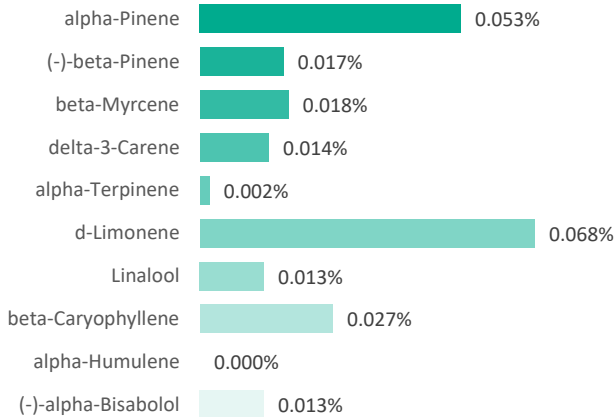
Type: Concentrate

Test: Terpenes

TERPENE PROFILE



PREDOMINANT TERPENES



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
	0.334%	3.34

NOTES:

0

FINAL APPROVAL

Daniel Weidensaul
9-Dec-2019
1:47 PMDavid Green
9-Dec-2019
2:13 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Cooling Cream-Batch 3158-61

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

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2404	ND*	Malathion	52 - 2404	ND*
Acetamiprid	52 - 2404	ND*	Metalaxyl	312 - 2404	ND*
Avermectin	312 - 2404	ND*	Methiocarb	52 - 2404	ND*
Azoxystrobin	52 - 2404	ND*	Methomyl	52 - 2404	ND*
Bifenazate	52 - 2404	ND*	MGK 264 1	52 - 2404	ND*
Boscalid	312 - 2404	ND*	MGK 264 2	312 - 2404	ND*
Carbaryl	52 - 2404	ND*	Myclobutanil	312 - 2404	ND*
Carbofuran	52 - 2404	ND*	Naled	312 - 2404	ND*
Chlorantraniliprole	52 - 2404	ND*	Oxamyl	52 - 2404	ND*
Chlorpyrifos	312 - 2404	ND*	Paclobutrazol	52 - 2404	ND*
Clofentezine	52 - 2404	ND*	Permethrin	312 - 2404	ND*
Diazinon	52 - 2404	ND*	Phosmet	52 - 2404	ND*
Dichlorvos	312 - 2404	ND*	Prophos	312 - 2404	ND*
Dimethoate	52 - 2404	ND*	Propoxur	312 - 2404	ND*
E-Fenpyroximate	312 - 2404	ND*	Pyridaben	312 - 2404	ND*
Etofenprox	312 - 2404	ND*	Spinosad A	52 - 2404	ND*
Etoxazole	312 - 2404	ND*	Spinosad D	312 - 2404	ND*
Fenoxycarb	52 - 2404	ND*	Spiromesifen	52 - 2404	ND*
Fipronil	312 - 2404	ND*	Spirotetramat	312 - 2404	ND*
Flonicamid	52 - 2404	ND*	Spiroxamine 1	52 - 2404	ND*
Fludioxonil	312 - 2404	ND*	Spiroxamine 2	52 - 2404	ND*
Hexythiazox	312 - 2404	ND*	Tebuconazole	52 - 2404	ND*
Imazalil	312 - 2404	ND*	Thiacloprid	52 - 2404	ND*
Imidacloprid	52 - 2404	ND*	Thiamethoxam	52 - 2404	ND*
Kresoxim-methyl	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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prepared for: RAD EXTRACTION

860 COMMERCIAL LANE

PALMER LAKE, CO 80133

Cooling Cream-Batch 3158-61

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

MICROBIAL CONTAMINANTS

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

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.

Cooling Cream-Batch 3158-61

Batch ID:	LGMS3003158-61	Test ID:	1776426.008
Reported:	5-Dec-2019	Method:	TM04
Type:	Concentrate		
Test:	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

prepared for: RAD EXTRACTS

860 COMMERCIAL LANE

PALMER LAKE, CO 80133

Cooling Cream-Batch 3158-61

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

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