CERTIFICATE OF ANALYSIS

PRODUCT NAME:	CBD Cream
PRODUCT STRENGTH:	250 mg
BEST BY DATE:	6/26/2021
FILL LOT NUMBER:	9353A
CBD CREAM LOT NUMBER:	19340-6
HEMP EXTRACT LOT	<u>JP090319B7</u>

Click on the links to view third party results

Test	Method	Specification	Results
Color	SOP-100	Off-white to light cream	PASS
Odor	SOP-100	Neutral with light hemp/CBD oil scent	PASS
Appearance	SOP-100	Medium viscosity skin cream in white container with clear cap	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and tamper-evident label intact	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	SOP-111	237.5-312.5 mg CBD LOQ**: 10 PPM† (0.001%)	<u>264.1 mg</u>	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
FL Compliant Pesticide Panel	SOP-111	Florida State Hemp Program Rule 5B-57.014: Action Limits for Pesticides	<u>ND</u>	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	Below LOQ	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	Below LOQ	PASS
Microbial - Aspergillus	SOP-111	Complies with USP 61/62	Below LOQ	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	Below LOQ	PASS
MT Compliant Residual Solvents Panel	SOP-111	Montana Public Health and Human Services Rule 37.107.316	ND	PASS

* Level of Quantitation, † Parts Per Million

Quality Certified by:

Cannabinoids Test SHIMADZU INTEGRATED UPLC-PDA



Order #: 46671 Order Name: CBD Cream 19340-6/9352A Batch#: SV011519 Received: 01/17/2020 Completed: 01/22/2020



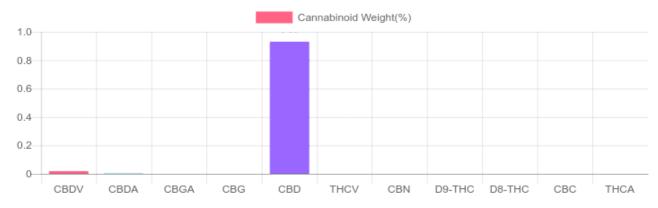
Sample



1 bottle = 28.35 grams per bottle x

GSL SOP 400 PREPARED: 01/17/2020 16:16:42 UPLOADED: 01/20/2020 08:19:24 Cannabinoids LOQ weight(%) mg/bottle mg/g D9-THC 10 PPM N/D N/D N/D THCA 10 PPM N/D N/D N/D CBD 10 PPM 0.930% 9.299 263.6 CBDA 20 PPM 0.002% 0.020 0.6 CBDV 20 PPM 0.019% 0.194 5.5 СВС 10 PPM N/D N/D N/D CBN 10 PPM N/D N/D N/D CBG 10 PPM N/D N/D N/D CBGA 20 PPM N/D N/D N/D D8-THC 10 PPM N/D N/D N/D THCV 10 PPM N/D N/D N/D TOTAL D9-THC N/D N/D N/D TOTAL CBD* 0.932% 9.317 264.1 TOTAL CANNABINOIDS 0.951% 9.513 269.7

Cannabinoid concentration



Reporting Limit 10 ppm

*Total CBD = CBD + CBDA x 0.877 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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Order #: 46671 Order Name: CBD Cream 19340-6/9352A Batch#: SV011519 Received: 01/17/2020 Completed: 01/22/2020



PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 01/17/2020 18:28:29

UPLOADED: 01/21/2020 10:06:54

GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CHLORFENAPYR	0.010	N/D	0.003	0.001
COUMAPHOS	0.010	N/D	0.003	0.001
CYFLUTHRIN	0.010	N/D	0.003	0.001
CYPERMETHRIN	0.500	N/D	0.003	0.001

Pesticide	Action Level	Results	LOQ	LOD
resticide	(ppm)	(ppm)	(ppm)	(ppm)
FIPRONIL	0.010	N/D	0.003	0.001
FLUDIOXONIL	0.020	N/D	0.003	0.001
PENTACHLORONITROBENZENE	0.030	N/D	0.003	0.001

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.020	N/D	0.005	0.001
ACEPHATE	0.020	N/D	0.001	0.001
ACEQUINOCYL	0.020	N/D	0.001	0.001
ACETAMIPRID	10.000	N/D	0.005	0.001
ALDICARB	0.010	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001
BIFENAZATE	0.010	N/D	0.005	0.001
CHLORPYRIFOS	0.020	N/D	0.001	0.001
CLOFENTEZINE	0.040	N/D	0.001	0.001
DAMINOZIDE	0.010	N/D	0.005	0.001
DIAZANON	0.010	N/D	0.001	0.001
DICHLORVOS	0.020	N/D	0.005	0.001
DIMETHOATE	0.010	N/D	0.001	0.001
DIMETHOMORPH	0.010	N/D	0.005	0.001
ETHOPROPHOS	0.010	N/D	0.001	0.001
ETOFENPROX	0.010	N/D	0.001	0.001
ETOXAZOLE	0.010	N/D	0.010	0.005
FENHEXAMID	0.080	N/D	0.005	0.001
FENOXYCARB	0.010	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010
HEXYTHIAZOX	0.100	N/D	0.005	0.001
IMAZALIL	0.010	N/D	0.005	0.001
IMIDACLOPRID	0.020	N/D	0.005	0.001
KRESOXIM-METHYL	0.020	N/D	0.010	0.005
MALATHION	0.010	N/D	0.005	0.001

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
METALAXYL	0.010	N/D	0.001	0.001
METHIOCARB	0.010	N/D	0.005	0.001
METHOMYL	0.010	N/D	0.001	0.001
MEVINPHOS	0.010	N/D	0.001	0.001
MYCLOBUTANIL	0.020	N/D	0.005	0.001
NALED	0.010	N/D	0.005	0.001
OXAMYL	0.026	N/D	0.001	0.001
PACLOBUTRAZOL	0.010	N/D	0.005	0.001
PERMETHRINS	0.020	N/D	0.005	0.001
PHOSMET	0.020	N/D	0.005	0.001
PIPERONYL BUTOXIDE	3.000	N/D	0.001	0.001
PRALLETHRIN	0.020	N/D	0.005	0.005
PROPICONAZOLE	0.020	N/D	0.010	0.005
PROPOXUR	0.020	N/D	0.001	0.001
PYRETHRINS (PYRETHRIN I)	0.500	N/D	0.005	0.005
PYRIDABEN	0.020	N/D	0.005	0.001
SPINETORAM	0.040	N/D	0.001	0.001
SPINOSAD (SPINOSYN A)	0.020	N/D	0.001	0.001
SPINOSAD (SPINOSYN D)	0.020	N/D	0.001	0.001
SPIROMESIFEN	0.030	N/D	0.005	0.001
SPIROTETRAMAT	0.020	N/D	0.001	0.001
SPIROXAMINE	0.010	N/D	0.001	0.001
TEBUCONAZOLE	0.010	N/D	0.005	0.001
THIACLOPRID	0.010	N/D	0.001	0.001
THIAMETHOXAM	0.010	N/D	0.001	0.001
TRIFLOXYSTROBIN	0.020	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

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Dr. Andrew Hall, Ph.D., Chief Scientific Officer Ben Witten, MS, MT., Lab Director

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Order #: 46671 Order Name: CBD Cream 19340-6/9352A Batch#: SV011519 Received: 01/17/2020 Completed: 01/22/2020



Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 01/21/2020 20:40:46

PCR - Agilent AriaMX Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

* STEC and Salmonella run as Multiplex

*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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Order #: 46671 Order Name: CBD Cream 19340-6/9352A Batch#: SV011519 Received: 01/17/2020 Completed: 01/22/2020



Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030 GSL SOP 403

Uploaded: 01/17/2020 21:54:15

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb

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 Report Number:
 19-012757/D02.R01

 Report Date:
 11/06/2019

 ORELAP#:
 OR100028

 Purchase Order:
 Received:

 10/18/19
 10:52

This is an amended version of report# 19-012757/D02.R00. Reason: Updated report formatting.

 Product identity:
 JP090319B7

 Laboratory ID:
 19-012757-0002

Client/Metrc ID: Sample Date:

Summary

Potency	
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oteney.			1	
Analyte	Result (%)			
CBD	81.9		CBD-Total	81.9%
CBDV [†]	1.86			
			THC-Total	< 0.177%
		CBDCBDV	(Reported in pe	rcent of total sample)
			(

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(-)-Guaiol⁺	0.619	35.17%	(-)-caryophyllene oxide [†]	0.511	29.03%
ß-Caryophyllene [†]	0.450	25.57%	Humulene [†]	0.0795	4.52%
Linalool [†]	0.0594	3.38%	(-)-a-Terpineol [†]	0.0411	2.34%
Total Terpenes [†]	1.76	100.00%			

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Report Number:	19-012757/D02.R01
Report Date:	11/06/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	10/18/19 10:52

Customer:	My CBD Test
Product identity:	JP090319B7
Client/Metrc ID:	
Sample Date:	
Laboratory ID:	19-012757-0002
Relinquished by:	UPS
Temp:	23.4 °C

Sample Results

Potency	Method J AOAC 2	015 V98-6	Units %	Batch 1909717	Analyze 10/22/19 05:04 PM
Analyte	As Dry Received we	y LOQ Notes ight	5		
CBC [†]	< LOQ	0.0943			
CBC-A [†]	< LOQ	0.0943			
CBC-Total [†]	< LOQ	0.177			• CBD
CBD	81.9	0.943			
CBD-A	< LOQ	0.0943			• CBDV
CBD-Total	81.9	1.03			
CBDV [†]	1.86	0.0943			
CBDV-A [†]	< LOQ	0.0943			
CBDV-Total [†]	1.86	0.176			
CBG [†]	< LOQ	0.0943			
CBG-A [†]	< LOQ	0.0943			
CBG-Total [†]	< LOQ	0.176			
CBL [†]	< LOQ	0.0943			
CBN	< LOQ	0.0943			
$\Delta 8\text{-THC}^{\dagger}$	< LOQ	0.0943			
∆9-THC	< LOQ	0.0943			
THC-A	< LOQ	0.0943			
THC-Total	< LOQ	0.177			
THCV [†]	< LOQ	0.0943			
THCV-A [†]	< LOQ	0.0943			
THCV-Total [†]	< LOQ	0.176			
Microbiology					
	Beault	Lington Halts	LOO Detak	Assalsman Math	a di Mataa

morebiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1909486	10/21/19	AOAC 991.14 (Petrifilm)	Х
Total Coliforms	< LOQ		cfu/g	10	1909486	10/21/19	AOAC 991.14 (Petrifilm)	Х
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1909487	10/21/19	AOAC 2014.05 (RAPID)	Х
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1909487	10/21/19	AOAC 2014.05 (RAPID)	Х

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 Report Number:
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 Report Date:
 11/06/2019

 ORELAP#:
 OR100028

 Purchase Order:
 10/18/19 10:52

Solvents	Method	EPA502	21A			Units µg/g Batch 1	909460	Analyz	e 10/2	23/19 (02:28 PM
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	30.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass	
Methylpropane	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass	





 Report Number:
 19-012757/D02.R01

 Report Date:
 11/06/2019

 ORELAP#:
 OR100028

 Purchase Order:
 10/18/19 10:52

Pesticides	Method	AOAC	2007.01 & EN	15662 (mod)) Units mg/kg	Batch 1909507	Analy	ze 10/21/19 09:49 AM
Analyte	Result	Limits	s LOQ Status	Notes	Analyte	Result	Limits	LOQ Status Notes
Abamectin	< LOQ	0.50	0.250 pass		Acephate	< LOQ	0.40	0.250 pass
Acequinocyl	< LOQ	2.0	1.00 pass		Acetamiprid	< LOQ	0.20	0.100 pass
Aldicarb	< LOQ	0.40	0.200 pass		Azoxystrobin	< LOQ	0.20	0.100 pass
Bifenazate	< LOQ	0.20	0.100 pass		Bifenthrin	< LOQ	0.20	0.100 pass
Boscalid	< LOQ	0.40	0.200 pass		Carbaryl	< LOQ	0.20	0.100 pass
Carbofuran	< LOQ	0.20	0.100 pass		Chlorantranilipro	ole < LOQ	0.20	0.100 pass
Chlorfenapyr	< LOQ	1.0	0.500 pass		Chlorpyrifos	< LOQ	0.20	0.100 pass
Clofentezine	< LOQ	0.20	0.100 pass		Cyfluthrin	< LOQ	1.0	0.500 pass
Cypermethrin	< LOQ	1.0	0.500 pass		Daminozide	< LOQ	1.0	0.500 pass
Diazinon	< LOQ	0.20	0.100 pass		Dichlorvos	< LOQ	1.0	0.500 pass
Dimethoate	< LOQ	0.20	0.100 pass		Ethoprophos	< LOQ	0.20	0.100 pass
Etofenprox	< LOQ	0.40	0.200 pass		Etoxazole	< LOQ	0.20	0.100 pass
Fenoxycarb	< LOQ	0.20	0.100 pass		Fenpyroximate	< LOQ	0.40	0.200 pass
Fipronil	< LOQ	0.40	0.200 pass		Flonicamid	< LOQ	1.0	0.400 pass
Fludioxonil	< LOQ	0.40	0.200 pass		Hexythiazox	< LOQ	1.0	0.400 pass
Imazalil	< LOQ	0.20	0.100 pass		Imidacloprid	< LOQ	0.40	0.200 pass
Kresoxim-methyl	< LOQ	0.40	0.200 pass		Malathion	< LOQ	0.20	0.100 pass
Metalaxyl	< LOQ	0.20	0.100 pass		Methiocarb	< LOQ	0.20	0.100 pass
Methomyl	< LOQ	0.40	0.200 pass		MGK-264	< LOQ	0.20	0.100 pass
Myclobutanil	< LOQ	0.20	0.100 pass		Naled	< LOQ	0.50	0.250 pass
Oxamyl	< LOQ	1.0	0.500 pass		Paclobutrazole	< LOQ	0.40	0.200 pass
Parathion-Methyl	< LOQ	0.20	0.200 pass		Permethrin	< LOQ	0.20	0.100 pass
Phosmet	< LOQ	0.20	0.100 pass		Piperonyl butoxi	ide < LOQ	2.0	1.00 pass
Prallethrin	< LOQ	0.20	0.200 pass		Propiconazole	< LOQ	0.40	0.200 pass
Propoxur	< LOQ	0.20	0.100 pass		Pyrethrin I (total	l) < LOQ	1.0	0.500 pass
Pyridaben	< LOQ	0.20	0.100 pass		Spinosad	< LOQ	0.20	0.100 pass
Spiromesifen	< LOQ	0.20	0.100 pass		Spirotetramat	< LOQ	0.20	0.100 pass
Spiroxamine	< LOQ	0.40	0.200 pass		Tebuconazole	< LOQ	0.40	0.200 pass
Thiacloprid	< LOQ	0.20	0.100 pass		Thiamethoxam	< LOQ	0.20	0.100 pass
Trifloxystrobin	< LOQ	0.20	0.100 pass					

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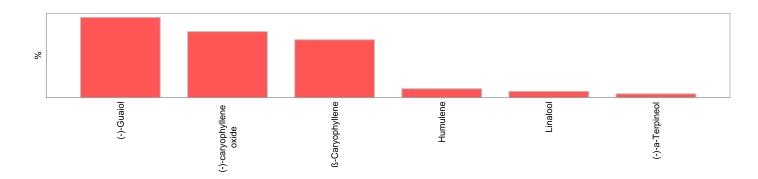
 Report Number:
 19-012757/D02.R01

 Report Date:
 11/06/2019

 ORELAP#:
 OR100028

 Purchase Order:
 10/18/19 10:52

Terpenes	Method	J AOAC	2015 V98-6		Units % Batch 1	909461	Analyz	ze 10/18/19 12:	:07 PM
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total N	lotes
(-)-Guaiol [†]	0.619	0.020	35.17%		(-)-caryophyllene oxide [†]	0.511	0.020	29.03%	
ß-Caryophyllene [†]	0.450	0.020	25.57%		Humulene [†]	0.0795	0.020	4.52%	
Linalool [†]	0.0594	0.020	3.38%		(-)-a-Terpineol⁺	0.0411	0.020	2.34%	
(-)-Isopulegol [†]	< LOQ	0.020	0.00%		(-)-ß-Pinene⁺	< LOQ	0.020	0.00%	
(+)-Borneol [†]	< LOQ	0.020	0.00%		(+)-Cedrol [†]	< LOQ	0.020	0.00%	
(+)-fenchol [†]	< LOQ	0.020	0.00%		(+)-Pulegone [†]	< LOQ	0.020	0.00%	
(±)-Camphor [†]	< LOQ	0.020	0.00%		(±)-cis-Nerolidol [†]	< LOQ	0.020	0.00%	
(±)-fenchone [†]	< LOQ	0.020	0.00%		(±)-trans-Nerolidol [†]	< LOQ	0.020	0.00%	
(R)-(+)-Limonene [†]	< LOQ	0.020	0.00%		a-Bisabolol [†]	< LOQ	0.020	0.00%	
a-cedrene [†]	< LOQ	0.020	0.00%		a-phellandrene [†]	< LOQ	0.020	0.00%	
a-pinene [†]	< LOQ	0.020	0.00%		a-Terpinene [†]	< LOQ	0.020	0.00%	
Camphenet	< LOQ	0.020	0.00%		cis-ß-Ocimene [†]	< LOQ	0.006	0.00%	
d-3-Carene [†]	< LOQ	0.020	0.00%		Eucalyptol [†]	< LOQ	0.020	0.00%	
farnesenet	< LOQ	0.020	0.00%		gamma-Terpinene [†]	< LOQ	0.020	0.00%	
Geraniol [†]	< LOQ	0.020	0.00%		Geranyl acetate [†]	< LOQ	0.020	0.00%	
Isoborneol [†]	< LOQ	0.020	0.00%		Menthol [†]	< LOQ	0.020	0.00%	
nerol [†]	< LOQ	0.020	0.00%		p-Cymene [†]	< LOQ	0.020	0.00%	
Sabinenet	< LOQ	0.020	0.00%		Sabinene hydrate [†]	< LOQ	0.020	0.00%	
ß-Myrcene⁺	< LOQ	0.020	0.00%		Terpinolene [†]	< LOQ	0.020	0.00%	
trans- [®] -Ocimene [†]	< LOQ	0.013	0.00%		valencene [†]	< LOQ	0.020	0.00%	
Total Terpenes	1.76								



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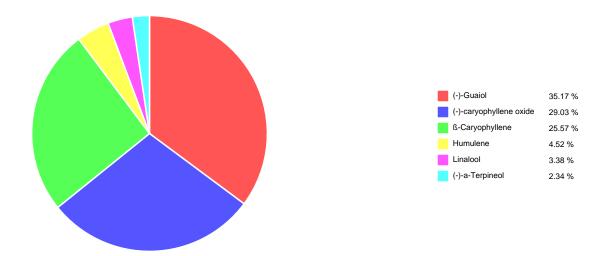
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430





Report Number:	19-012757/D02.R01
Report Date:	11/06/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	10/18/19 10:52



Metals								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1909726	10/25/19	AOAC 2013.06 (mod.)	Х
Cadmium	< LOQ		mg/kg	0.100	1909726	10/25/19	AOAC 2013.06 (mod.)	Х
Lead	< LOQ		mg/kg	0.100	1909726	10/25/19	AOAC 2013.06 (mod.)	Х
Mercury	< LOQ		mg/kg	0.100	1909726	10/25/19	AOAC 2013.06 (mod.)	Х

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 Report Number:
 19-012757/D02.R01

 Report Date:
 11/06/2019

 ORELAP#:
 OR100028

 Purchase Order:
 10/18/19 10:52

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

[†] = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram μg/g = Microgram per gram mg/kg = Milligram per kilogram = parts per million (ppm) % = Percentage of sample % wt = μg/g divided by 10,000

Glossary of Qualifiers X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner General Manager

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1755 Victory Blvd. Glendale, CA 91201 Tel: 818.547.3221 Email: acculab@accubclabs.com www.accubclabs.com

COA No.:	M-JO0	12220-06		
COA Date:	01/27/20			
Sample Rec'd Date:	01/22/20)		
ISO/IEC 17025:2005 S	Page 1 of 1			

MICROBIOLOGICAL CERTIFICATE OF ANALYSIS

Sample Description: Sample Batch/Lot No.: ACCU Laboratory Ref.: Purchase Order No.: Test Method: Notes:	CBD CREAM 9353A 0709044 N/A USP N/A	
Analysis:		Results:
Total Plate Count:		<10 CFU / g
Yeast & Mold Count:		<10 CFU / g
Bile-Tolerant g- Bacteria	(coliforms):	Negative
0		8
Escherichia coli:		Negative
Salmonella:		Negative
Sumonena.		riegative

Approved By: ____

Vano Baghdasarian, Laboratory Director

The results of this test relate only to the samples tested. This test report shall not be reproduced except in full, without written approval of the lab. ACCU Labs shall have no liability to anyone with respect to any interpretations or uses of the COA report, decisions made, or actions taken as a result of or based on the data reported. Abbreviations: g -: gram negative; g +B: gram positive Bacilli; g +C: gram positive Cocci; TPC: Total Plate Count; TNTC: Too Numerous to Count

Document Information File Name and Version: LF-510-01 Certificate of Analysis – V. Micro v.02 Effective Date: 07/25/19 Status: Approved by Vano Baghdasarian						
File Name and Version: LF-510-01 Certificate of Analysis - V. Micro v.02	Effective Date: 07/25/19	Status: Approved by Vano Baghdasarian				

जि.भिष्ठ रहे वि		Cream-HP	C250 9353A	Joy Organics			Certificate of Analysis			
	1 6-37 (2 6)				HEM INDUSTRIES ASSOCIATION Member	PFC	ISO/IEC 17025:2017	Stillwate Laboratorie	es	
Sample Hand	lling					topica				
test ID 9 order 6562 source	sample date labID 0BH32	2/12/20 2:06 PM weight					LDC	250		
Methods	method	equipment				194 - 2 194 - 2 194 - 2				
weights	MSP-7.3.1.3	AUX120.1								
potency	MSP-7.5.1.5	LC-2030					- OF	Δ		
terpenes	MSP-7.5.1.7	QP2020/HS20								
pesticides	MSP-7.5.1.8	LC-8060					1.79			
mycotoxins	MSP-7.5.1.8	LC-8060								
microbial	MSP-7.5.1.9	Hardy Diag								
solvents	MSP-7.5.1.6	QP2020/HS20					0			
metals	MSP-7.5.1.10	ICPMS2030								
Potency		% estima		%	estimated error	%	estimated error	% estimate % error	∂	

potency not tested terpenes not tested / not required

Solvents	MT limit	0BH32	LOQ	Pesticides (MT)	MT limit	0BH32	LOQ	Pesticides (other)	0BH32	LOQ	
propane	5,000	0 ppm	<10ppm								
butanes	5,000	0 ppm	<10ppm								
pentanes	5,000	0 ppm	<10ppm								
hexanes	290	0 ppm	<10ppm								
cyclohexane	3,880	0 ppm	<10ppm	a stisis				not	tootod /		
heptanes	5,000	0 ppm	<10ppm	pesticides			not tested /				
methanol	3,000	0 ppm	<10ppm	not test	not tested / not required			not required			
isopropanol	5,000	54 ppm	<10ppm								
acetone	5,000	0 ppm	<10ppm								
ethyl acetate	5,000	0 ppm	<10ppm								
benzene	2		<0.2ppm								
toluene	890	0 ppm									
xylenes	2,170	0 ppm									
chloroform	2		<0.2ppm								
dichloromethane	600	0 ppm	<10ppm								
Toxic Metals MT III	mit 0BF	132 LO	0								
			~								
metals				Microbial	MT limit	0BH32	LOQ				
not tested	d / not r	equired				021102	LOQ	_			
Comments				micr	obial no	t tested					

• All testing was completed onsite at 6073 US93N, Olney MT •• Potency (cannabinoid concentration) is calcuated from the equation: [cannabioid] = [cannabinoid]_{HPLC} x volume_dilution/mdry. Terpene concentration is calcuated from the equation: [terpene] = (terpene mass)_{GCMS} / mdry. ••• Decarboxyted cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXXa + XXX ••••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula $s_g^2 = \sum (\partial f/\partial i)^2 s_i^2$ where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) $\pm t_{CL90} \times s_g$. Sampling error is not

Certified by:



Kyle Larson, MSc (Biology) Deputy Director 6073 US93N, Olney MT 59927 406-881-2019 rdb@stwlabs.com Printed 2/14/2020 3:32 PM