HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0042%2

CANNABINOID PROFILE

0.1307% Total CBD¹
0.1421% Total Cannabinoids³
Terpenes Not Tested



Sample ID:



Scan to verify at sclabs.com

- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Hemp Pain Cream

Tested for: LCF Labs

Address: Date Collected: 12/20/2019

Date Received: 12/20/2019

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

191220R001

Date: 12/21/2019



Sample Name: Hemp Pain Cream

LIMS Sample ID: 191220R001

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 100 Grams per Unit

Serving Mass:

Density:

Moisture Test Results

Cannabinoid Test Results

Results (%)
Moisture

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

(III LC, Q3I 3-4-1	+-+)			
		mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС		0.042	0.0042	0.0009 / 0.003
Δ8THC		ND	ND	0.0009 / 0.003
THCa		ND	ND	0.0009 / 0.003
THCV		ND	ND	0.0004 / 0.001
THCVa		ND	ND	0.0013 / 0.004
CBD		1.307	0.1307	0.0009 / 0.003
CBDa		ND	ND	0.0009 / 0.003
CBDV		0.006	0.0006	0.0004 / 0.001
CBDVa		ND	ND	0.0003 / 0.001
CBG		ND	ND	0.001 / 0.003
CBGa		ND	ND	0.0008 / 0.002
CBL		ND	ND	0.0021 / 0.006
CBN		ND	ND	0.0009 / 0.003
CBC		0.066	0.0066	0.0011 / 0.003
CBCa		ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	1.421	0.1421	142.100 mg/Unit
Total THC (Δ9THC+0.877*THCa)	0.042	0.0042	4.200 mg/Unit
Total CBD (CBD+0.877*CBDa)	1.307	0.1307	130.700 mg/Unit

Batch Photo





12/21/2019

Date Collected: 12/20/2019
Date Received: 12/20/2019

LCF Labs

License #:
Address:

Tested for:

Produced by:

License #: Address:

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
Caryophyllene Oxide	NT		
	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Citronellol			
Phytol			

Fotal Terpene Concentration:

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable



Sample Name: Hemp Pain Cream

LIMS Sample ID: 191220R001

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

100 Grams per Unit Unit Mass:

Serving Mass:

Density:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

HPLC-Mass Spectrometry a	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Abamectin			
Hexythiazox			
Kresoxim-methyl			
Malathion			
Metalaxyl			
Methomyl Myclobutanil			
Naled			
Pentachloronitrobenzene			
	NT		
	NT		
	NT		
	NT		
Spirotetramat	NT		
	NT		
	NT		
	NIT		

Date Collected:	12/20/2019
Date Received:	12/20/2019
Tested for:	LCF Labs
License #:	
Address:	
Produced by:	
License #:	
Address:	

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing

HPLC-Mass Spectrometry and GC-Mass Spectrometry

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
DDVP (Dichlorvos)	NT		
	NT		
	NT		
Etofenprox	NT		
	NT		
	NT		
	NT		
Methiocarb	NT		
	NT		
Mevinphos	NT		
	NT		
	NT		
Spiroxamine	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry Results (µg/kg) Action Limit µg/kg LOD / LOQ µg/kg

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable



LOD / LOQ µg/g

Sample Name: Hemp Pain Cream

LIMS Sample ID: 191220R001

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count:

Sample Count:

Unit Mass: 100 Grams per Unit

Serving Mass:

Density:

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass

o)		
Results (μg/g) NT NT NT NT	Action Limit µg/g	LOD / LOQ μg/g
	Results (µg/g) NT NT NT NT NT NT NT NT NT N	Results (µg/g) Action Limit µg/g NT NT NT NT NT NT NT NT NT N

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination Results (cfu/q)

Foreign Material Test Results

Date Collected: 12/20/2019 Date Received: 12/20/2019 Tested for: LCF Labs License #: Address: Produced by:

Water Activity Test Results

License #:

Address:

	Results (Aw)	Action Limit Aw
Water Activity		

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

	Results (µg/g)	Action Limit µg/g
	NT	
ad	NT	
	NT	
ercury	NT	

Note

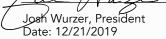
Action Limit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable





CERTIFICATE OF ANALYSIS LOT: 62-QVLYPIC-02

Date of Production: August, 2019 Expiration Date: August, 2022

Allergens: Contains seeds (hemp)

Parameter	Units	Limits		Results
		Min	Max	
Free Fatty Acids	%			0.4
Peroxide Value	meq/kg		10	3.2
Fatty Acid Profile (Area %)				
C16:0 Palmitic		4		4.8
C18:0 Stearic		1		1.6
C18:1 Oleic		5		9.6
C18:2 Linoleic		44		59.7
C18:3 Alpha Linolenic		14		18.2

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15° C - 30° C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.



CERTIFICATE OF ANALYSIS LOT: 62-QVLYPIC-02

Date of Production: August, 2019 Expiration Date: August, 2022

Allergens: Contains seeds (hemp)

Parameter	Units	Limits		Results
		Min	Max	
Free Fatty Acids	%			0.4
Peroxide Value	meq/kg		10	3.2
Fatty Acid Profile (Area %)				
C16:0 Palmitic		4		4.8
C18:0 Stearic		1		1.6
C18:1 Oleic		5		9.6
C18:2 Linoleic		44		59.7
C18:3 Alpha Linolenic		14		18.2

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15° C - 30° C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0023%2

CANNABINOID PROFILE

5.0679% Total CBD¹
5.0702% Total Cannabinoids³
Terpenes Not Tested







- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ -9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Jewel Mango 50mg CBD

Tested for: Alo Group Sample ID: 200122S003

Address: Date Collected: 01/22/2020

Date Received: 01/22/2020

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

Date: 01/25/2020



Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Density: 1.0966 g/mL

Moisture Test Results

Cannabinoid Test Results

	Results (%)	
Moisture		

Cannabinoid analysis utilizing High Performance Liquid Chromatography

(HFLC, QSF 3-4-	4-4)			
		mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС		0.023	0.0023	0.0009 / 0.003
Δ8ΤΗС		ND	ND	0.0009 / 0.003
THCa		ND	ND	0.0009 / 0.003
THCV		ND	ND	0.0004 / 0.001
THCVa		ND	ND	0.0013 / 0.004
CBD		50.679	5.0679	0.0009 / 0.003
CBDa		ND	ND	0.0009 / 0.003
CBDV		ND	ND	0.0004 / 0.001
CBDVa		ND	ND	0.0003 / 0.001
CBG		<loq< td=""><td><loq< td=""><td>0.001 / 0.003</td></loq<></td></loq<>	<loq< td=""><td>0.001 / 0.003</td></loq<>	0.001 / 0.003
CBGa		ND	ND	0.0008 / 0.002
CBL		ND	ND	0.0021 / 0.006
CBN		ND	ND	0.0009 / 0.003
CBC		ND	ND	0.0011 / 0.003
CBCa		ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	50.702	5.0/02	60.842 mg/Unit
Total THC (Δ9THC+0.877*THCa) Total CBD (CBD+0.877*CBDa)	0.023 50.679	0.0023 5.0679	0.028 mg/Unit 60.815 mg/Unit
	Action Limit ma		

Δ9THC per Unit 1000.0 Pass 0.028 mg/Unit Δ9THC per Serving

Batch Photo



Date Collected: 01/22/2020
Date Received: 01/22/2020
Tested for: Alo Group

License #:
Address:

Produced by:

License #: Address:

01/25/2020

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g	%	LOD / LOQ mg/g
	NT		
	NT		
2 Caryophyllene			
	NT		
Humulene Tagainalan	NT		
	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Citronellol			

Total Terpene Concentration:

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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LOD / LOQ ua/a

Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

1.0966 g/mL Density:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPI C-Mass Spectrometry and GC-Mass Spectrometry

HPLC-Mass Spectrometry a	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
Hexythiazox			
Kresoxim-methyl			
Malathion			
Metalaxyl			
Methomyl			
Myclobutanil			
Naled			
Oxamyl			
	NT		
	NT		
Phosmet	NT		
	NT		
	NT NT		
	NT NT		
	NT		
	NT		
	NT		
Spirotetramat	NT		
	NT		
	NT		
	NT		

Date Collected:	01/22/2020		
Date Received:	01/22/2020		
Tested for:	Alo Group		
License #:			
Address:			
Produced by:			
License #:			
Address:			

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry
Results (µg/g) Action Limit µg/g

	NT (μg/g/	Action Limit µg/g	LOD / LOG pg/g
	NT		
	NT		
DDVP (Dichlorvos)	NT		
	NT		
	NT		
Etofenprox	NT		
	NT		
	NT		
	NT		
Methiocarb	NT		
	NT		
Mevinphos	NT		
	NT		
	NT		
Spiroxamine	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry Results (µg/kg) Action Limit µg/kg LOD / LOQ µg/kg

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable



Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Density: 1.0966 g/mL

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

Spectrometry (GC - MS)			
	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane			
Methylene chloride			

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	ittouits
Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination

Results (cfu/q)

Aerobic Plate Count NT
Fotal Yeast and Mold NT

Foreign Material Test Results

NIT

Date Collected: 01/22/2020
Date Received: 01/22/2020
Tested for: Alo Group

License #:
Address:

Produced by:

License #:
Address:

Water Activity Test Results

Results (Aw) Action Limit Aw
Water Activity

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g)

Action Limit µg/g

LOD / LOQ µg/g

admium NI
pad NT
rsenic NT
ercury NT

Note

Action Limit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable

HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0027%²

CANNABINOID PROFILE

5.3416% Total CBD¹
5.3629% Total Cannabinoids³
Terpenes Not Tested







- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Jewel Mint 50mg CBD

Tested for: Alo Group Sample ID: 200122S002

Address: Date Collected: 01/22/2020

Date Received: 01/22/2020

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

Date: 01/25/2020



Sample Name: Jewel Mint 50mg CBD

LIMS Sample ID: 200122S002

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Density: 1.0848 g/mL

Moisture Test Results

Cannabinoid Test Results

	Results (%)	
Moisture		

Cannabinoid analysis utilizing High Performance Liquid Chromatography

(HPLC, QSP 5-4-4	4-4)			
		mg/g	%	LOD / LOQ mg/g
Δ9THC		0.027	0.0027	0.0009 / 0.003
Δ8THC		ND	ND	0.0009 / 0.003
THCa		ND	ND	0.0009 / 0.003
THCV		ND	ND	0.0004 / 0.001
THCVa		ND	ND	0.0013 / 0.004
CBD		53.416	5.3416	0.0009 / 0.003
CBDa		ND	ND	0.0009 / 0.003
CBDV		0.186	0.0186	0.0004 / 0.001
CBDVa		ND	ND	0.0003 / 0.001
CBG		<loq< td=""><td><loq< td=""><td>0.001 / 0.003</td></loq<></td></loq<>	<loq< td=""><td>0.001 / 0.003</td></loq<>	0.001 / 0.003
CBGa		ND	ND	0.0008 / 0.002
CBL		ND	ND	0.0021 / 0.006
CBN		ND	ND	0.0009 / 0.003
CBC		ND	ND	0.0011 / 0.003
CBCa		ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	53.629	5.3629	64.355 mg/Unit
Total THC (Δ9THC+0.877*THCa)	0.027	0.0027	0.032 mg/Unit
Total CBD (CBD+0.877*CBDa)	53.416	5.3416	64.099 mg/Unit

Batch Photo



Date Collected: 01/22/2020
Date Received: 01/22/2020
Tested for: Alo Group

License #:
Address:

Produced by:

License #: Address:

01/25/2020

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

mg/g	%	LOD / LOQ mg/g
NT		
	NT NT NT NT NT NT NT NT NT NT NT NT NT N	NT

Total Terpene Concentration:

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Sample Name: Jewel Mint 50mg CBD

LIMS Sample ID: 200122S002

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

1.2 Grams per Unit Unit Mass:

Serving Mass:

1.0848 g/mL Density:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

HPLC-Mass Spectrometry and	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	Results (μg/g)	Action Limit µg/g	LOD / LOQ µg/g
Hexythiazox			
Kresoxim-methyl			
Malathion			
Methomyl			
Myclobutanil			
Naled			
	NT		
Phosmet	NT		
	NT		
Spirotetramat	NT		
	NT		
	NT		
	NT		

Date Collected:	01/22/2020	
Date Received:	01/22/2020	
Tested for:	Alo Group	
License #:		
Address:		
Produced by:		
License #:		
Address:		

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing

HPLC-Mass Spectrometry and GC-Mass Spectrometry
Results (µg/g) Action Limit µg/g

The EC-Iviass Spectrometry and	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
DDVP (Dichlorvos)	NT		
	NT		
	NT		
Etofenprox	NT		
	NT		
	NT		
	NT		
Methiocarb	NT		
Methyl parathion	NT		
Mevinphos	NT		
	NT		
	NT		
Spiroxamine	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry Results (µg/kg) Action Limit µg/kg LOD / LOQ µg/kg

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable



Sample Name: Jewel Mint 50mg CBD

LIMS Sample ID: 200122S002

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

1.0848 g/mL Density:

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC - MS)	D (+ (()	A -41 1 !!4/	100 /100/-
1,2-Dichloroethane	Results (μg/g)	Action Limit µg/g	LOD / LOQ µg/g
Methylene chloride			
Butane			
Isopropyl Alcohol			
Methanol			

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination Results (cfu/q)

Foreign Material Test Results

Date Collected: 01/22/2020 Date Received: 01/22/2020 Tested for: Alo Group

License #: Address:

Produced by:

License #: Address:

Water Activity Test Results

Results (Aw) **Action Limit Aw**

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g)

Action Limit µg/g

LOD / LOQ µg/g

Note

Action Limit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable

HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0023%2

CANNABINOID PROFILE

5.1386% Total CBD¹5.1589% Total Cannabinoids³Terpenes Not Tested







- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Strawberry Lemonade 50mg CBD

Tested for: Alo Group Sample ID: 200122S004

Address: Date Collected: 01/22/2020

Date Received: 01/22/2020

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

Date: 01/25/2020



Sample Name: Strawberry Lemonade 50mg CBD

LIMS Sample ID: 200122S004

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Moisture Test Results

Density: 1.0746 g/mL

	Results (%)
Moisture	

Cannabinoid Test Results 01/25/2020

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

, ,	•	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС		0.023	0.0023	0.0009 / 0.003
Δ8ΤΗС		ND	ND	0.0009 / 0.003
THCa		ND	ND	0.0009 / 0.003
THCV		ND	ND	0.0004 / 0.001
THCVa		ND	ND	0.0013 / 0.004
CBD		51.386	5.1386	0.0009 / 0.003
CBDa		ND	ND	0.0009 / 0.003
CBDV		0.180	0.0180	0.0004 / 0.001
CBDVa		ND	ND	0.0003 / 0.001
CBG		ND	ND	0.001 / 0.003
CBGa		ND	ND	0.0008 / 0.002
CBL		ND	ND	0.0021 / 0.006
CBN		ND	ND	0.0009 / 0.003
CBC		ND	ND	0.0011 / 0.003
CBCa		ND	ND	0.0015 / 0.005
C	!	F4 F00	F 4F00	/ 4 007 ··· ·· /! l!+

CDCa	IND	IND	0.00137 0.003
Sum of Cannabinoids:	51.589	5.1589	61.907 mg/Unit
Total THC (Δ9THC+0.877*THCa) Total CBD (CBD+0.877*CBDa)	0.023 51.386	0.0023 5.1386	0.028 mg/Unit 61.663 mg/Unit

Batch Photo





Terpene Test Results

License #:

Address:

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

Detection (GC - FID)	,	0/	100 (100 /
	mg/g	%	LOD / LOQ mg/g
	NT		
	NT		
Caryophyllene	NT		
	NT		
2 Humulene	NT		
	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
	NT		
	NT		
Caryophyllene Oxide	NT		
Terpineol			
	NT		
R-(+)-Pulegone	NT		
	NT		
Citronellol			
Phytol	NT		

Total Terpene Concentration:

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Sample Name: Strawberry Lemonade 50mg CBD

LIMS Sample ID: 200122S004

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Density: 1.0746 g/mL

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

Abamectin Acephate Acequinocyl Acetamiprid Acetamiprid Azoxystrobin Bifenazate Bifenthrin Bifenazate Bifenthrin Boscalid NT Captan Carbanyl Chlorantraniliprole Clofentezine Cyfluthrin NT Cyfluthrin NT Diazinon NT Dimethomorph Etoxazole NT Fenhexamid Fenpyroximate Flonicamid NT Fludioxonil Hexythiazox Imidacloprid Kresoxim-methyl Malathion NT Metalaxyl Myclobutanil NT	2 μg/g
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Spinosad NT	
Spiromesifen NT	
Spirotetramat NT	
Tebuconazole NT	
Thiamethoxam NT	
Trifloxystrobin NT	

Date Collected:	01/22/2020
Date Received:	01/22/2020
Tested for:	Alo Group
License #:	
Address:	
Produced by:	

Pesticide Test Results

License #:

Address:

Pesticide, Fungicide and plant growth regulator analysis utilizing

HPLC-Mass Spectrometry and GC-Mass Spectrometry

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
Coumaphos	NT		
	NT		
DDVP (Dichlorvos)	NT		
	NT		
Methiocarb	NT		
Mevinphos	NT		
	NT		
	NT		
Spiroxamine	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry
Results (μg/kg) Action Limit μg/kg LOD / LOQ μg/kg

atoxin B1, B2, G1, G2

NT

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Strawberry Lemonade 50mg CBD Sample Name:

LIMS Sample ID: 200122S004

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

1.0746 g/mL Density:

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC - MS)

Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
NT	,,,,	

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

3M Petrifilm and plate counts for microbiological contamination Results (cfu/q)

Foreign Material Test Results

Date Collected: 01/22/2020 Date Received: 01/22/2020 Tested for: Alo Group

License #: Address:

Produced by:

License #: Address:

Water Activity Test Results

Results (Aw) **Action Limit Aw**

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g)

Action Limit µg/g

LOD / LOQ µg/g

Note

Action Limit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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CERTIFICATE OF ANALYSIS LOT: 62-QVLYPIC-02

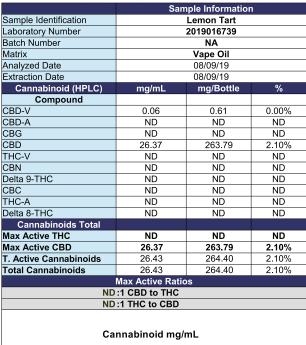
Date of Production: August, 2019 Expiration Date: August, 2022

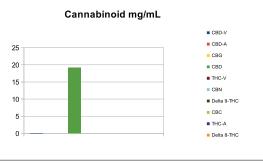
Allergens: Contains seeds (hemp)

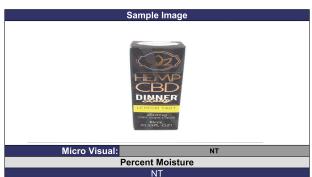
Parameter	Units	Limits		Results
		Min	Max	
Free Fatty Acids	%			0.4
Peroxide Value	meq/kg		10	3.2
Fatty Acid Profile (Area %)				
C16:0 Palmitic		4		4.8
C18:0 Stearic		1		1.6
C18:1 Oleic		5		9.6
C18:2 Linoleic		44		59.7
C18:3 Alpha Linolenic		14		18.2

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.



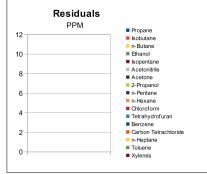






Chemist: SF Report Expires: 11/08/19

RS (GCMS-HS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0



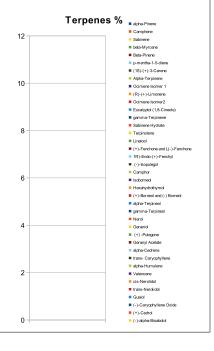
mL/Bottle
10
mg THC/Bottle
ND
mg CBD/Bottle
263.79
(mg) total cannabinoids/bottle
264.40

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g
Compound	
Enterobacteriaceae	NT
Coliform	NT
Ecoli	NT
Aerobic	NT
Yeast	NT
Mold	NT



Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1-5-diene	NT	NT
(1S)-(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)-(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+) -Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans- Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NT	NT





Sam	ınle Informatio	1	
ma/mL		%	
, , , , , , , , , , , , , , , , , , ,			
0.06	0.55	0.00%	
ND	ND	ND	
ND	ND	ND	
26.24	262.38	2.20%	
ND	ND	ND	
ND	ND	ND	
26.24	262.38	2.20%	
26.29	262.93	2.21%	
26.29	262.93	2.21%	
Max Active Ratios			
ND:1 CBD to THC			
ND:1 THC to CBD			
Connabinaid ma/ml			
	Mg/mL 0.06 ND ND ND 26.24 ND ND ND ND ND ND 100 ND ND ND 110 ND	0.06 0.55 ND ND ND ND 26.24 262.38 ND ND ND ND	

Cannabino	ola mg/mL
	■ CBD-V
25 —	■ CBD-A
	■ CBG
20	■ CBD
15	■ THC-V
	■ CBN
10	■ Delta 9-THC
5	■ CBC
	■ THC-A
0	■ Delta 8-THC



Chemist: SF Report Expires: 11/08/19

RS (GCMS-HS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0

	Residuals	
	PPM	
12 —		■ Propane
12		Isobutane
		n-Butane
10		■ Ethanol
		Isopentane
		Acetonitrile
8		■ Acetone
		2-Propanol
6		■ n-Pentane
		n-Hexane
.		Chloroform
4		 Tetrahydrofuran
		Benzene
2		Carbon Tetrachloride
-		n-Heptane
_		■ Toluene
0 +		■ Xylenes
		,

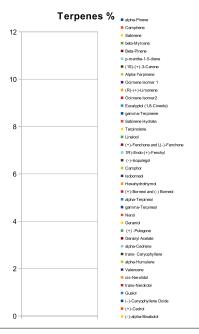
mL/Bottle
10
mg THC/Bottle
ND
mg CBD/Bottle
262.38
(mg) total cannabinoids/bottle
262.93

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g	
Compound		
Enterobacteriaceae	NT	
Coliform	NT	
Ecoli	NT	
Aerobic	NT	
Yeast	NT	
Mold	NT	



Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1-5-diene	NT	NT
(1S)-(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)-(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+) -Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans- Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NT	NT
·		





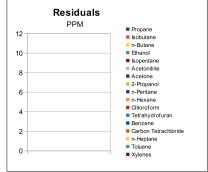
■ Delta 8-THC

	Sample Information			
Sample Identification	Mint Tobacco			
Laboratory Number	2019016738			
Batch Number		NA		
Matrix		Vape Oil		
Analyzed Date		08/09/19		
Extraction Date		08/09/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%	
Compound				
CBD-V	0.06	0.57	0.00%	
CBD-A	ND	ND	ND	
CBG	ND	ND	ND	
CBD	25.94	259.43	2.01%	
THC-V	ND	ND	ND	
CBN	ND	ND	ND	
Delta 9-THC	ND	ND	ND	
CBC	ND	ND	ND	
THC-A	ND	ND	ND	
Delta 8-THC	ND	ND	ND	
Cannabinoids Total				
Max Active THC	ND	ND	ND	
Max Active CBD	25.94	259.43	2.01%	
T. Active Cannabinoids	26.04	260.49	2.01%	
Total Cannabinoids	26.04	260.49	2.01%	
	Max Active Ratio	s		
NE	:1 CBD to THC			
N	:1 THC to CBD			
Cannabinoid mg/mL ■cpp.v				
25			CBD-A	
20			CBG CBD	
15			THC-V	
10			CBN	
			Delta 9-THC CBC	
5			710.4	



Chemist: SF Report Expires: 11/08/19

RS (GCMS-HS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0



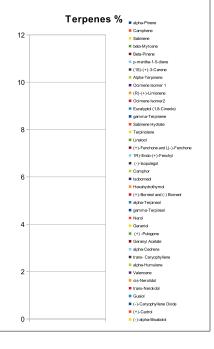
mL/Bottle
10
mg THC/Bottle
ND
mg CBD/Bottle
259.43
(mg) total cannabinoids/bottle
260.49

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g	
Compound		
Enterobacteriaceae	NT	
Coliform	NT	
Ecoli	NT	
Aerobic	NT	
Yeast	NT	
Mold	NT	

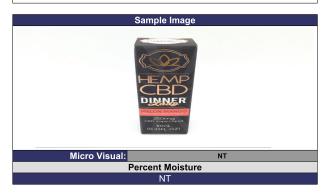


Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1-5-diene	NT	NT
(1S)-(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)-(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+) -Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans- Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NT	NT





	Sam	iple Informatio	n	
Sample Identification	Sweet Fruits			
Laboratory Number	2019016740			
Batch Number	NA			
Matrix		Vape Oil		
Analyzed Date		08/09/19		
Extraction Date		08/09/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%	
Compound				
CBD-V	0.06	0.57	0.00%	
CBD-A	ND	ND	ND	
CBG	ND	ND	ND	
CBD	26.44	264.43	2.13%	
THC-V	ND	ND	ND	
CBN	ND	ND	ND	
Delta 9-THC	ND	ND	ND	
CBC	ND	ND	ND	
THC-A	ND	ND	ND	
Delta 8-THC	ND	ND	ND	
Cannabinoids Total				
Max Active THC	ND	ND	ND	
Max Active CBD	26.44	264.43	2.13%	
T. Active Cannabinoids	26.50	265.00	2.14%	
Total Cannabinoids	26.50	265.00	2.14%	
Max Active Ratios				
	Max Active Ratio	S		
	:1 CBD to THC	s		
		os ————————————————————————————————————		
	:1 CBD to THC	os ————————————————————————————————————		
NE	1:1 CBD to THC 1:1 THC to CBD			
NE	:1 CBD to THC			
NE	1:1 CBD to THC 1:1 THC to CBD	mL	CBD-V	
NE	1:1 CBD to THC 1:1 THC to CBD	nL •	CBD-V CBD-A	
NE Ca	1:1 CBD to THC 1:1 THC to CBD	mL	CBD-A CBG	
18 16 14	1:1 CBD to THC 1:1 THC to CBD	mL	CBD-A	
18 16 14 12	1:1 CBD to THC 1:1 THC to CBD	nL	CBD-A CBG	
18 16 14 12 10	1:1 CBD to THC 1:1 THC to CBD	nL	CBD-A CBG CBD	
18 16 14 12	1:1 CBD to THC 1:1 THC to CBD	mL	CBD-A CBG CBD THC-V	
18 16 14 12 10 8	1:1 CBD to THC 1:1 THC to CBD	nL	CBD-A CBG CBD THC-V CBN	
18 16 14 12 10 8	1:1 CBD to THC 1:1 THC to CBD	mL	CBD-A CBG CBD THC-V CBN Delta 9-THC	



Chemist: SF Report Expires: 11/08/19

RS (GCMS-HS)	PPM	RL
Compound		
Propane	NT	5.0
Isobutane	NT	5.0
n-Butane	NT	5.0
Ethanol	NT	5.0
Isopentane	NT	5.0
Acetonitrile	NT	5.0
Acetone	NT	50.0
2-Propanol	NT	5.0
n-Pentane	NT	5.0
n-Hexane	NT	5.0
Chloroform	NT	5.0
Tetrahydrofuran	NT	5.0
Benzene	NT	5.0
Carbon Tetrachloride	NT	5.0
n-Heptane	NT	5.0
Toluene	NT	5.0
Xylenes	NT	10.0

Residuals	
PPM	
12 —	■ Propane
12	Isobutane
	n-Butane
10	■ Ethanol
	■ Isopentane
	Acetonitrile
8	■ Acetone
	2-Propanol
6	■ n-Pentane
	n-Hexane
.	■ Chloroform
4	■ Tetrahydrofuran
	■ Benzene
2	■ Carbon Tetrachloride
-	n-Heptane
_	■ Toluene
0 +	■ Xylenes

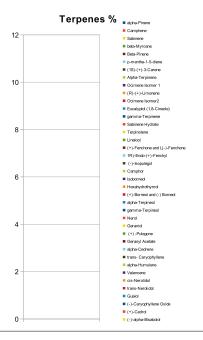
mL/Bottle
10
mg THC/Bottle
ND
mg CBD/Bottle
264.43
(mg) total cannabinoids/bottle
265.00

Metals	PPM	RL
Compound		
Lead	NT	0.018
Arsenic	NT	0.007
Cadmium	NT	0.004
Mercury	NT	0.020

Microbial	CFU/g
Compound	
Enterobacteriaceae	NT
Coliform	NT
Ecoli	NT
Aerobic	NT
Yeast	NT
Mold	NT



Compound alpha-Pinene	Terpene (GC-MS)	mg/mL	mg/Bottle
Camphene NT NT Sabinene NT NT beta-Myrcene NT NT Beta-Pinene NT NT p-mentha-1-5-diene NT NT (1S)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer 2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT NT NT NT Linalool NT NT (+)-Fenchone NT NT Rhy-Fenchone and L(-)-Fenchone NT NT RNT NT NT Soborneol NT NT Camphor NT NT NT NT NT Isomologian (-)-Borneol NT	Compound		
Sabinene NT NT beta-Myrcene NT NT Beta-Pinene NT NT p-mentha-1-5-diene NT NT (1S)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer 2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT C-)-Isopulegol NT NT Camphor NT NT NT NT NT Isoborneol NT NT NT NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneo	alpha-Pinene	NT	NT
beta-Myrcene NT NT Beta-Pinene NT NT p-mentha-1-5-diene NT NT (1S)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer 2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpiene NT NT Sabinene Hydrate NT NT Torpiolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT NT NT NT Isophor NT NT NT NT	Camphene	NT	NT
Beta-Pinene NT NT p-mentha-1-5-diene NT NT (1S)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT NT NT NT Ocimene Isomer 2 NT NT NT NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Trerpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT NT NT NT Isophoreol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT NT NT NT Apha-Terpineol NT NT NT NT<	Sabinene	NT	NT
Beta-Pinene NT NT p-mentha-1-5-diene NT NT (1S)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer 2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT NT NT NT Isoborneol NT NT NT NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT Mary NT NT Nerol </td <td>beta-Myrcene</td> <td>NT</td> <td>NT</td>	beta-Myrcene	NT	NT
(15)-(+)-3-Carene NT NT Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer 2 NT NT NT NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Torpinolene NT NT Linalool NT NT NT NT NT HS-Fenchone and L(-)-Fenchone NT NT RNT NT NT RNT NT NT RNT NT NT Isoborneol NT NT NT NT NT Hexahydrothymol NT NT H-exahydrothymol NT NT NT NT NT Alpha-Terpineol NT NT NT NT NT	Beta-Pinene	NT	NT
Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer2 NT NT NT NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone NT NT RP-Endo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT Raphar March NT NT Result NT NT Result NT NT Result NT NT Result NT NT NT NT NT Result NT NT NT NT NT	p-mentha-1-5-diene	NT	NT
Alpha-Terpinene NT NT Ocimene Isomer 1 NT NT (R)-(+)-Limonene NT NT Ocimene Isomer2 NT NT NT NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone NT NT RP-Endo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT RR-Jendo-(+)-Fenchone NT NT Raphar March NT NT Result NT NT Result NT NT Result NT NT Result NT NT NT NT NT Result NT NT NT NT NT	(1S)-(+)-3-Carene	NT	NT
(R)-(+)-Limonene NT NT Ocimene Isomer2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT NT NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT NT NT NT Nerol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT ntrans- Caryophyllene NT NT ntrans- Caryophyllene NT NT Valencene<		NT	NT
Ocimene Isomer2 NT NT Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT NT NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT In NT NT NT	Ocimene Isomer 1	NT	NT
Eucalyptol (1,8-Cineole) NT NT gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT Narro NT NT	(R)-(+)-Limonene	NT	NT
gamma-Terpinene NT NT Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Bomeol and (-) Borneol NT NT Igha-Terpineol NT NT Narrol NT NT Reraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT Igha-Cedrene NT NT Irans-Caryophyllene NT NT Igha-Humulene NT NT Valencene NT NT Cis-Nerolidol NT NT Irans-Nerolidol NT NT Irans-Nerolidol	Ocimene Isomer2	NT	NT
Sabinene Hydrate NT NT Terpinolene NT NT Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT Hexahydrothymol NT NT Hexahydrothymol NT NT Alpha-Terpineol NT NT NT NT NT Nerol NT NT NT NT NT NErol NT NT NT NT NT	Eucalyptol (1,8-Cineole)	NT	NT
Terpinolene	gamma-Terpinene	NT	NT
Linalool NT NT (+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT NT NT NT Isoborneol NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT NT NT NT Merol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT In Image: National content of the property of the	Sabinene Hydrate	NT	NT
(+)-Fenchone and L(-)-Fenchone NT NT 1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT Narro NT NT Narro NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT frans-Nerolidol NT NT ntrans-Nerolidol NT NT NT NT NT (-)-Caryophyllene Oxide NT NT (-)-Calpha-Bisabolol	Terpinolene	NT	NT
1R)-Endo-(+)-Fenchyl NT NT (-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT Japha-Terpineol NT NT NT NT NT Nerol NT NT Geraniol NT NT (+)-Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans-Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT ris-Nerolidol NT NT Trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-Lapha-Bisabolol NT <td>Linalool</td> <td>NT</td> <td>NT</td>	Linalool	NT	NT
(-)-Isopulegol NT NT Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT Isopama-Terpineol NT NT <td>(+)-Fenchone and L(-)-Fenchone</td> <td>NT</td> <td>NT</td>	(+)-Fenchone and L(-)-Fenchone	NT	NT
Camphor NT NT Isoborneol NT NT Hexahydrothymol NT NT (+)-Borneol and (-) Borneol NT NT Ispha-Terpineol NT NT Igamma-Terpineol NT NT Nerol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT Ispha-Cedrene NT NT Itrans- Caryophyllene NT NT Ispha-Humulene NT NT Valencene NT NT Cis-Nerolidol NT NT Itrans-Nerolidol NT NT NT NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-Jalpha-Bisabolol NT NT	1R)-Endo-(+)-Fenchyl	NT	NT
Isoborneol	(-)-Isopulegol	NT	NT
Hexahydrothymol	Camphor	NT	NT
(+)-Borneol and (-) Borneol NT NT alpha-Terpineol NT NT gamma-Terpineol NT NT Nerol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Isoborneol	NT	NT
alpha-Terpineol NT NT gamma-Terpineol NT NT Nerol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Hexahydrothymol	NT	NT
gamma-Terpineol NT NT Nerol NT NT Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	(+)-Borneol and (-) Borneol	NT	NT
Nerol	alpha-Terpineol	NT	NT
Geraniol NT NT (+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	gamma-Terpineol	NT	NT
(+) -Pulegone NT NT Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Nerol	NT	NT
Geranyl Acetate NT NT alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Geraniol	NT	NT
alpha-Cedrene NT NT trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	(+) -Pulegone	NT	NT
trans- Caryophyllene NT NT alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT		NT	NT
alpha-Humulene NT NT Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	alpha-Cedrene	NT	
Valencene NT NT cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT		NT	NT
cis-Nerolidol NT NT trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	alpha-Humulene	NT	NT
trans-Nerolidol NT NT Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Valencene		NT
Guaiol NT NT (-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	cis-Nerolidol	NT	NT
(-)-Caryophyllene Oxide NT NT (+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	trans-Nerolidol	NT	NT
(+)-Cedrol NT NT (-)-alpha-Bisabolol NT NT	Guaiol	NT	NT
(-)-alpha-Bisabolol NT NT	(-)-Caryophyllene Oxide	NT	NT
	(+)-Cedrol	NT	NT
Total Terpenes NT NT		NT	NT
	Total Terpenes	NT	NT



HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

Not Detected²

CANNABINOID PROFILE

5.7407% Total CBD¹
5.7601% Total Cannabinoids³
Terpenes Not Tested





Scan to verify at sclabs.com

- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Dinner Lady Hawaiian

Tested for: Alo Group

Address: Date Collected: 12/17/2019

Sample ID:

Date Received: 12/17/2019

Batch #:

Final Approval

Danielle Deschene, LQC Verified By

Date: 12/19/2019

Josh Wurzer, President Date: 12/19/2019 These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

191217R001



Sample Name: Dinner Lady Hawaiian

LIMS Sample ID: 191217R001

Batch #:

Source Metrc ID(s):

Sample Type: Other

Batch Count: Sample Count: Unit Mass:

Serving Mass:

1.0794 g/mL Density:

Date Received: 12/17/2019 Tested for: Alo Group License #: Address: Produced by: License #: Address:

Terpene Test Results

Date Collected:

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

12/17/2019

,	mg/g	%	LOD / LOQ mg/g
	NT		
	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Phytol			

Moisture Test Results

Results (%)

12/18/2019 **Cannabinoid Test Results**

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

CBGa ND ND 0.0008 / 0.002 CBL ND ND ND 0.0008 / 0.002 CBN ND ND 0.0009 / 0.003 CBC ND ND ND 0.0011 / 0.003 CBCa ND ND ND 0.0015 / 0.005 Sum of Cannabinoids: 62.175 5.7601 Total THC (Δ9THC+0.877*THCa) ND ND Total CBD (CBD+0.877*CBDa) 61.965 5.7407	Δ9THC Δ8THC THCa THCV THCVa CBD CBDa CBDV CBDVa CBG	·	mg/mL ND ND ND ND ND 61.965 ND 0.210 ND	% ND ND ND ND ND 5.7407 ND 0.0195 ND	LOD / LOQ mg/mL 0.0009 / 0.003 0.0009 / 0.003 0.0009 / 0.003 0.0004 / 0.001 0.0013 / 0.004 0.0009 / 0.003 0.0004 / 0.001 0.0003 / 0.001 0.001 / 0.003
Total THC (Δ9THC+0.877*THCa) ND ND	CBGa CBL CBN CBC		ND ND ND ND	ND ND ND ND	0.0008 / 0.002 0.0021 / 0.006 0.0009 / 0.003 0.0011 / 0.003
	Total THC (Δ9TH	C+0.877*THCa)	ND	ND	

Action Limit mg

Δ9THC per Unit Δ9THC per Serving

Batch Photo



Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable

Danielle Deschene, LQC Verified By Date: 12/19/2019



Sample Name: Dinner Lady Hawaiian

LIMS Sample ID: 191217R001

Batch #:

Source Metrc ID(s):

Sample Type: Other

Batch Count: Sample Count: Unit Mass:

Serving Mass:

Density: 1.0794 g/mL

Tested for: Alo Group

License #:
Address:

Produced by:
License #:
Address:

12/17/2019

12/17/2019

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPI C-Mass Spectrometry and GC-Mass Spectrometry

HPLC-Mass Spectrometry	and GC-Mass Spe	ctrometry	
	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
Hexythiazox			
Kresoxim-methyl			
Malathion			
Metalaxyl			
Methomyl			
Myclobutanil			
Naled			
	NT		
Phosmet	NT		
	NT		
Spirotetramat	NT		
	NT		
	NT		
	NT		

Pesticide Test Results

Date Collected:

Date Received:

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry Results (µg/g) Action Limit µg/g

The LC-iviass Spectrometry and	Results (µg/g)	Action Limit µg/g	LOD / LOQ μg/g
	NT		
DDVP (Dichlorvos)	NT		
	NT		
	NT		
Etofenprox	NT		
	NT		
	NT		
	NT		
Methiocarb	NT		
Methyl parathion	NT		
Mevinphos	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry
Results (μg/kg) Action Limit μg/kg LOD / LOQ μg/kg

Aflatoxin B1, B2, G1, G2 Ochratoxin A NT

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable

Danielle Deschene, LQC Verified By Date: 12/19/2019



Sample Name: Dinner Lady Hawaiian

LIMS Sample ID: 191217R001

Batch #:

Source Metrc ID(s):

Sample Type: Other

Batch Count:

Sample Count:

Unit Mass:

Serving Mass:

Date Collected:	12/17/2019	
Date Received:	12/17/2019	
Tested for:	Alo Group	
License #:		
Address:		
Produced by:		
License #:		
Address:		

Residual Solvent Test Results

Density:

Residual Solvent analysis utilizing Gas Chromatography - Mass Spectrometry (GC - MS)

1.0794 g/mL

spectrometry (GC - Ms)	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane	NT	Action Limit pg/g	LOD / LOG pg/g
Methylene chloride			
Butane			
Methanol			

Water Activity Test Results

	Results (Aw)	Action Limit Aw
Water Activity		

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
Lead	NT		
Arsenic	NT		

Note

Action Limit

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	ittodaita
Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination Results (cfu/q)

Aerobic Plate Count	NT
Total Yeast and Mold	NT

Foreign Material Test Results

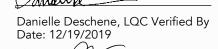
NIT

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0023%2

CANNABINOID PROFILE

5.0679% Total CBD¹
5.0702% Total Cannabinoids³
Terpenes Not Tested







- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Jewel Mango 50mg CBD

Tested for: Alo Group Sample ID: 200122S003

Address: Date Collected: 01/22/2020

Date Received: 01/22/2020

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

SC Laboratories, LLC. 100 Pioneer Street, Suite E, Santa Cruz, CA 95060 | (866) 435-0709 | sclabs.com

Date: 01/25/2020



LOD / LOQ mg/g

Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Moisture Test Results

1.0966 g/mL Density:

Detection (GC - FID) Results (%)

(= = 7 = =	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС	0.023	0.0023	0.0009 / 0.003
Δ8ΤΗС	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	50.67	5.0679	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	ND	ND	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	<loc< td=""><td>LOQ <</td><td>0.001 / 0.003</td></loc<>	LOQ <	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	ND	ND	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005

Sum of Cannabinoids:	50.702	5.0702	60.842 mg/Unit
Total THC (Δ9THC+0.877*THCa)	0.023	0.0023	0.028 mg/Unit
Total CBD (CBD+0.877*CBDa)	50.679	5.0679	60.815 mg/Unit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Josh Wurzer, President Date: 01/25/2020

Terpene Test Results

Date Collected:

Date Received:

Tested for:

License #: Address:

Produced by:

License #:

Address:

01/22/2020

01/22/2020

Alo Group

Terpene analysis utilizing Gas Chromatography - Flame Ionization

mg/g

Cannabinoid Test Results			01/25/2020
Cannabinoid analysis utilizing High (HPLC, QSP 5-4-4-4)			3 1 3
Δ9ΤΗC	mg/g 0.023	% 0.0023	LOD / LOQ mg/g 0.0009 / 0.003
Δ8ΤΗC	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	50.679	5.0679	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	ND	ND	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	<loq< td=""><td><loq< td=""><td>0.001 / 0.003</td></loq<></td></loq<>	<loq< td=""><td>0.001 / 0.003</td></loq<>	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	ND	ND	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005
Sum of Cannabinoids:	50.702	5.0702	60.842 mg/Unit
T . I TUO (A OTUO O O 774TUO)	0.000	0.0000	0.000 #1.1:

Sum of Cannabinoids:	50.702	5.0702	60.842 mg/Unit
Total THC (Δ9THC+0.877 Total CBD (CBD+0.877*C		0.0023 5.0679	0.028 mg/Unit 60.815 mg/Unit
Δ9THC per Unit	Action Limit mg 1000.0	Pass	0.028 mg/Unit

Δ9THC per Serving

Batch Photo







LOD / LOQ ua/a

Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

1.0966 g/mL Density:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPI C-Mass Spectrometry and GC-Mass Spectrometry

HPLC-Mass Spectrometry a	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
Hexythiazox			
Kresoxim-methyl			
Malathion			
Metalaxyl			
Methomyl			
Myclobutanil			
Naled			
Oxamyl			
	NT		
	NT		
Phosmet	NT		
	NT		
	NT NT		
	NT NT		
	NT		
	NT		
	NT		
Spirotetramat	NT		
	NT		
	NT		
	NT		

Date Collected:	01/22/2020		
Date Received:	01/22/2020		
Tested for:	Alo Group		
License #:			
Address:			
Produced by:			
License #:			
Address:			

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry
Results (µg/g) Action Limit µg/g

	NT (μg/g/	Action Limit µg/g	LOD / LOG pg/g
	NT		
	NT		
DDVP (Dichlorvos)	NT		
	NT		
	NT		
Etofenprox	NT		
	NT		
	NT		
	NT		
Methiocarb	NT		
	NT		
Mevinphos	NT		
	NT		
	NT		
Spiroxamine	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry Results (µg/kg) Action Limit µg/kg LOD / LOQ µg/kg

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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Sample Name: Jewel Mango 50mg CBD

LIMS Sample ID: 200122S003

Batch #:

Source METRC UID:

Sample Type: E-Juice, Product Inhalable

Batch Count: Sample Count:

Unit Mass: 1.2 Grams per Unit

Serving Mass:

Density: 1.0966 g/mL

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC	C - MS)		
	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane			
Methylene chloride			
Butane			

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	itcourto
Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination

Results (cfu/q)

Aerobic Plate Count NT
Total Yeast and Mold NT

Foreign Material Test Results

NIT

Date Collected: 01/22/2020

Date Received: 01/22/2020

Tested for: Alo Group

License #:
Address:

Produced by:

License #:
Address:

Water Activity Test Results

Results (Aw) Action Limit Aw
Water Activity

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g)

Action Limit µg/g

LOD / LOQ µg/g

pectionietry (ici -ivis)

admium NI
ead NT
rsenic NT
ercury NT

Note

Action Limit

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



Scan to verify at sclabs.com Sample must be marked as public to be viewable



CERTIFICATE OF ANALYSIS LOT: 62-QVLYPIC-02

Date of Production: August, 2019 Expiration Date: August, 2022

Allergens: Contains seeds (hemp)

Parameter	Units	Limi	ts	Results
		Min	Max	
Free Fatty Acids	%			0.4
Peroxide Value	meq/kg		10	3.2
Fatty Acid Profile (Area %)				
C16:0 Palmitic		4		4.8
C18:0 Stearic		1		1.6
C18:1 Oleic		5		9.6
C18:2 Linoleic		44		59.7
C18:3 Alpha Linolenic		14		18.2

Shelf life is guaranteed for three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure potency. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.



Customer:

Kiss Industries

Customer Sample ID:

75mg Dinner Lady Salve

Laboratory Number: 19L0029-01A



Cannabinoid Profile

 Extraction Technician: RH Analytical Chemist: CB
 Extraction Date(s)
 Date(s)
 Date(s)

 12/3/2019
 12/3/2019
 12/3/2019

Cannabinoids (HPLC)		Results	
	LOD (mg/g)	%	mg/g
Cannabidivarin (CBDV)	<0.20		
Cannabidiolic Acid (CBD-A)	<0.20		
Cannabigerolic Acid (CBG-A)	<0.20		
Cannabigerol (CBG)	<0.20		
Cannabidiol (CBD)		0.00306	3.068
Tetrahydrocannabivarin (THCV)	<0.20		
Cannabinol (CBN)	<0.20		
delta 9-Tetrahydrocannabinol (THC)	<0.20		
delta 8-Tetrahydrocannabidol	<0.20		
Cannabichromene (CBC)	<0.20		
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.20		
Cannabinoids Total	•	%	mg/g
Max Active THC		0.00	0.00
Max Active CBD		0.00306	3.068
T.Active Cannabinoids		0.00308	3.079
Total Cannabinoids		0.00308	3.079
Ratios			
NA:1 CBD to THC 0.		0.00:1 THC to (CBD

Cannabinoid (mg/g)

87.28mg Total Cannabinoids per 1oz 75mg Salve



Customer:

Kiss Industries

Customer Sample ID: 75mg Dinner Lady Salve

Laboratory Number: 19L0029-01A



Residual Solvents Profile

 Extraction Technician: RH
 Extraction Date(s)
 Analysis Date(s)

 Analytical Chemist: GB
 12/3/2019
 12/3/2019

Residual Solvents	Results	Calibration Range
	ug/g	
Propane	<92.3	100 - 2000
Isobutane	<92.3	100 - 2000
Methanol	<92.3	100 - 2000
Butane	<92.3	100 - 2000
Isopropanol	<92.3	100 - 2000
Ethanol	<92.3	100 - 2000
2-Methyl Butane	<92.3	100 - 2000
Acetonitrile	<92.3	100 - 2000
Acetone	<92.3	100 - 2000
n-Pentane	<92.3	100 - 2000
n-Hexane	<46.1	50 - 2000
Tetrahydrofuran	<92.3	100 - 2000
Benzene	<0.923	1.0 - 50
n-Heptane	<92.3	100 - 2000
Toluene	<92.3	100 - 2000
Ethylbenzene	<92.3	100 - 2000
m+p Xylene	<92.3	100 - 2000
o-Xylene	<92.3	100 - 2000
Total Xylenes	<92.3	100 - 2000
1,2,3-Trimethylbenzene	<92.3	100 - 2000

HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

Tested by high-performance liquid chromatography with ultraviolet detection (HPLC-UV).

TOTAL THC1

0.0041%²

CANNABINOID PROFILE

0.1279% Total CBD¹
0.1388% Total Cannabinoids³
Terpenes Not Tested





Scan to verify at sclabs.com

- 1) Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step: Total THC = Δ 9THC + (THCa (0.877)) and Total CBD = CBD + (CBDa (0.877)).
- 2) As defined by the 2018 Farm Bill, hemp must contain no more than 0.3% Total THC, defined as the concentration of delta-9 tetrahydrocannabinol (Δ-9-THC) post-decarboxylation see formula above.
- 3) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

Additional Testing

Pass/Fail defined at action limits set by California Code of Regulations Title 16. Effective date: January 16, 2019. Authority: Section 26013, Business Professions Code. Reference: Sections 26100, 26104, and 26110, Business Professions Code.

Hemp Muscle & Joint Balm

 Tested for:
 LCF Labs
 Sample ID:
 191220R003

 Date Collected:
 12/20/2019

Address:

Date Received: 12/20/2019

Batch #:

Final Approval

These results relate only to the sample included on this report. This report shall not be reproduced except in full, without written approval of the laboratory. The uncertainty of measurement associated with the measurement result reported in this certificate is available from SC Laboratories upon request.

Date: 12/21/2019



Sample Name: Hemp Muscle & Joint Balm

LIMS Sample ID: 191220R003

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 100 Grams per Unit

Serving Mass:

Density:

Moisture Test Results

Results (%)
Moisture

NT

Cannabinoid Test Results

12/21/2019

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС	0.041	0.0041	0.0009 / 0.003
Δ8THC	ND	ND	0.0009 / 0.003
THCa	ND	ND	0.0009 / 0.003
THCV	ND	ND	0.0004 / 0.001
THCVa	ND	ND	0.0013 / 0.004
CBD	1.279	0.1279	0.0009 / 0.003
CBDa	ND	ND	0.0009 / 0.003
CBDV	0.006	0.0006	0.0004 / 0.001
CBDVa	ND	ND	0.0003 / 0.001
CBG	ND	ND	0.001 / 0.003
CBGa	ND	ND	0.0008 / 0.002
CBL	ND	ND	0.0021 / 0.006
CBN	ND	ND	0.0009 / 0.003
CBC	0.062	0.0062	0.0011 / 0.003
CBCa	ND	ND	0.0015 / 0.005
	 4 000		

Sum of Cannabinoids:	1.388	0.1388	138.800 mg/Unit
Total THC (Δ9THC+0.877*THCa)	0.041	0.0041	4.100 mg/Unit
Total CBD (CBD+0.877*CBDa)	1.279	0.1279	127.900 mg/Unit

Batch Photo





Date Collected: 12/20/2019
Date Received: 12/20/2019

LCF Labs

License #:
Address:

Tested for:

Produced by:

License #:
Address:

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

,	mg/g	%	LOD / LOQ mg/g
	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Citronellol			
Phytol			

Fotal Terpene Concentration:

Sample Certification

California Code of Regulations Title 16 Effect Date January 16, 2019
Authority: Section 26013, Business and Professions Code.
Reference: Sections 26100, 26104 and 26110, Business and Professions Code.



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LOD / LOQ µg/g

Sample Name: Hemp Muscle & Joint Balm

LIMS Sample ID: 191220R003

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 100 Grams per Unit

Serving Mass:

Density:

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

Results (µg/g) Action Limit µg/g LOD / LOQ Abamectin Acephate NT Acephate NT Acequinocyl Acetamiprid Azoxystrobin NT Bifenazate Bifenthrin Bifenazate NT Captan Captan Carbaryl Chlorantraniliprole Clofentezine Cyfluthrin Cygermethrin Diazinon NT Dimethomorph Etoxazole Fenhexamid Fenpyroximate Flonicamid NT Fludioxonil Hexythiazox NT Imidacloprid Kresoxim-methyl NT Action Limit µg/g LOD / LOQ NT	
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Hexythiazox NT Imidacloprid NT	
Malathion	
Methomyl NT	
Myclobutanil	
Naled NT	
Permethrin NT	
Phosmet NT	
Piperonylbutoxide NT	
Prallethrin NT	
Propiconazole NT	
Pyrethrins NT	
Pyridaben NT	
Spinetoram NT	
Spinosad NT	
Spiromesifen NT	
Spirotetramat NT	
Tebuconazole NT	
Thiamethoxam NT	
Trifloxystrobin NT	

Date Collected: 12/20/2019 Date Received: 12/20/2019 Tested for: LCF Labs License #: Address: Produced by:

Pesticide Test Results

License #:

Address:

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry and GC-Mass Spectrometry

Results (µg/g) Action Limit µg/g

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry LOD / LOQ µg/kg Results (µg/kg) Action Limit µg/kg

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Sample Name: Hemp Muscle & Joint Balm

LIMS Sample ID: 191220R003

Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count:

Sample Count:

Unit Mass: 100 Grams per Unit

Serving Mass:

Density:

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC - MS)			
	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
1,2-Dichloroethane			
Methylene chloride			

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

Shiga toxin-producing Escherichia coli	NT
Aspergillus fumigatus	

3M Petrifilm and plate counts for microbiological contamination Results (cfu/q)

Foreign Material Test Results

Date Collected: 12/20/2019 Date Received: 12/20/2019 Tested for: LCF Labs License #:

Address:

Produced by:

License #: Address:

Water Activity Test Results

Results (Aw) **Action Limit Aw**

Heavy Metal Test Results

Heavy metal analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Results (µg/g)

Action Limit µg/g

LOD / LOQ µg/g

Note

Action Limit

Sample Certification

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