HEMP LABORATORY TEST

CERTIFICATE OF ANALYSIS



Hemp Analysis - Summary

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

TOTAL THC1

PASSED² Not Detected

CANNABINOID PROFILE

0.5107% Total CBD¹**0.5116%** Total Cannabinoids³**Terpenes** NT





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- 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.

CBD CREAM 19289_#45

Tested for: Shikai Products

Batch #: 19289

Sample ID: 191018T018

Date Collected: 10/18/2019

Date Received: 10/18/2019

Final Approval

Address:

Josh Wurzer, President Date: 10/20/2019 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.



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

Sample Name: CBD CREAM 19289_#45

LIMS Sample ID: 191018T018

19289 Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 1 Grams per Unit

Serving Mass:

Density:

Moisture Test Results

Cannabinoid Test Results

Results (%) 10/20/2019

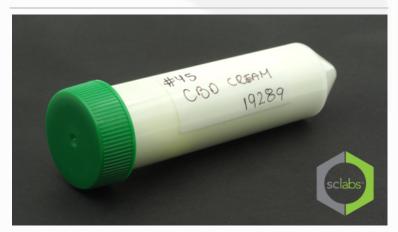
Cannabinoid analysis utilizing High Performance Liquid Chromatography

(III LC, Q3I 3-4-4	+-4)			
		mg/g	%	LOD / LOQ mg/g
Δ9THC		ND	ND	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		5.107	0.5107	0.0009 / 0.003
CBDa		ND	ND	0.0009 / 0.003
CBDV		0.009	0.0009	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

Sum of Cannabinoids:	5.116	0.5116	5.116 mg/Unit
Total THC (Δ9THC+0.877*THCa)	ND	ND	ND
Total CBD (CBD+0.877*CBDa)	5.107	0.5107	5.107 mg/Unit

Action Limit mg 1000.0 Δ9THC per Unit Δ9THC per Serving Pass

Batch Photo



Date Collected: 10/18/2019 Date Received: 10/18/2019

License #: Address:

Tested for:

Produced by:

License #: Address:

Overall result for batch 19289: Pass

Terpene Test Results

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

Shikai Products

Detection (GG 11D)	mg/g	%	LOD / LOQ mg/g
	NT		3.3
	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
Nerolidol	NT		
	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Phytol			

ND

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: 10/20/2019



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Sample Name: CBD CREAM 19289_#45

LIMS Sample ID: 191018T018

Batch #: 19289

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 1 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 µg/g
Abamectin			
Hexythiazox			
Kresoxim-methyl			
Malathion			
Metalaxyl			
Methomyl			
Myclobutanil			
Naled			
Oxamyl			
	NT		
Phosmet	NT		
	NT		
Spirotetramat	NT		

Date Collected: 10/18/2019

Date Received: 10/18/2019

Tested for: Shikai Products

License #:
Address:

Produced by:

License #: Address:

Overall result for batch 19289: Pass

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing

HPLC-Mass Spectrometry and GC-Mass Spectrometry

1 3	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g
	NT		
DDVP (Dichlorvos)	NT		
	NT		
Methiocarb	NT		
Mevinphos	NT		
	NT		

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

Aflatoxin B1, B2, G1, G2

Results (µg/kg) Action Limit µg/kg

LOD / LOQ μg/kg

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Josh Wurzer, President Date: 10/20/2019



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Sample Name: CBD CREAM 19289_#45

LIMS Sample ID: 191018T018

19289 Batch #:

Source Metrc ID(s):

Sample Type: Infused, Topical

Batch Count: Sample Count:

Unit Mass: 1 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			
Butane			

Microbiological Test Results

PCR and fluorescence detection of microbiological impurities

	Results
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: 10/18/2019 Date Received: 10/18/2019

License #: Address:

Tested for:

Produced by:

License #: Address:

Overall result for batch 19289: Pass

Water Activity Test Results

Results (Aw) **Action Limit Aw**

Shikai Products

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

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