## HEMP LABORATORY TEST

## CERTIFICATE OF ANALYSIS



## Hemp Analysis - Summary

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

### TOTAL THC1

# PASSED<sup>2</sup> Not Detected

#### **CANNABINOID PROFILE**

**0.4%** Total CBD<sup>1</sup> **0.4%** Total Cannabinoids<sup>3</sup>

**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 =  $\Delta$ 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 Lotion 19255\_#31

Tested for: Shikai Products Sample ID: 190916Q008

Address: Date Collected: 09/16/2019

**Date Received:** 09/16/2019

**Batch #:** 19255

## Final Approval

Josh Wurzer, President Date: 09/17/2019 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 Lotion 19255\_#31

LIMS Sample ID: 190916Q008

19255 Batch #:

Sample Metrc ID:

Sample Type: Topical, Topical

Batch Count:

Sample Count:

Unit Mass: 1 Grams per Unit

Serving Mass:

Density:

**Batch Photo** 

#### **Moisture Test Results**

Results (%)

Date Collected: 09/16/2019 Date Received: 09/16/2019 Tested for: Shikai Products

License #:

Address:

Produced by:

License #:

Address:

Overall result for batch 19255: Pass

### **Water Activity Test Results**

Results (Aw) **Action Limit Aw** 

#### **Cannabinoid Test Results**

## 09/17/2019

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

•	•	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗС		ND	ND	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		4.700	0.4700	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:	4.709	0.4709	4.709 mg/Unit
Total THC (Δ9THC+0.877*THCa) Total CBD (CBD+0.877*CBDa)	ND 4.700	ND 0.470	ND 4.700 mg/Unit

Action Limit mg 1000.0 Δ9THC per Unit Δ9THC per Serving ND

## **Terpene Test Results**

Terpene analysis utilizing Gas Chromatography - Flame Ionization

Detection (GC - FID)

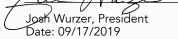
	mg/g	%	LOD / LOQ mg/g
	NT		
Terpinolene	NT		
	NT		
Menthol	NT		
	NT		
2 Terpinene	NT		
2 Terpinene	NT		
	NT		
Myrcene			
Caryophyllene Oxide			
Terpineol			
R-(+)-Pulegone			
	NT		
	NT		
Total Terpene Concentration:	NT		

### 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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Sample Name: CBD Lotion 19255\_#31

LIMS Sample ID: 190916Q008

19255 Batch #:

Sample Metrc ID:

Sample Type: Topical, 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

	Results (µg/g)	Action Limit μg/g	LOD / LOQ µg/g
Abamectin			
Acephate			
Acequinocyl			
Acetamiprid			
Hexythiazox			
Kresoxim-methyl			
Malathion			
Methomyl			
Myclobutanil			
Naled			
Pentachloronitrobenzene			
	NT		
Spirotetramat	NT		
	NT		
	NT		

## **Mycotoxin Test Results**

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

Results (µg/kg) Action Limit µg/kg

LOD / LOQ µg/kg

Date Collected:	09/16/2019
Date Received:	09/16/2019
Tested for:	Shikai Products
License #:	
Address:	
Produced by:	
License #:	
Address:	
Overall result for k	patch 19255: Pass

#### **Pesticide Test Results**

Pesticide, Fungicide and plant growth regulator analysis utilizing

HPLC-Mass Spectrometry and GC-Mass Spectrometry

The LC-Mass Spectrometry an	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		

## **Heavy Metal Test Results**

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

spectrometry (ref. 1415)	Results (µg/g)
	NT ", S
Lead	
Mercury	

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Josh Wurzer, President Date: 09/17/2019

LOD / LOQ µg/g

Action Limit µg/g



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Sample Name: CBD Lotion 19255\_#31

190916Q008 LIMS Sample ID:

19255 Batch #:

Sample Metrc ID:

Sample Type: Topical, Topical

Batch Count:

Sample Count:

Unit Mass: 1 Grams per Unit

Serving Mass:

Density:

Date Received: 09/16/2019 Tested for: Shikai Products

09/16/2019

License #:

Date Collected:

Address:

Produced by:

License #:

Address:

Note

Overall result for batch 19255: Pass

### **Residual Solvent Test Results**

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC - MS)

opodioouj (o	 Results (µg/g)	Action	Limit µg/g	LOD / LOQ I	ıg/g
1,2-Dichloroethane	NT			_	
Methylene chloride					
Butane					
Methanol					
Total Xylenes					

### **Microbiological Test Results**

PCR and fluorescence detection of microbiological impurities

	Results	ACTION LIMIT
Shiga toxin-producing Escherichia coli	NT	
	NT	
Aspergillus fumigatus	NT	
	NT	

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

Count	
d Mold	

## **Foreign Material Test Results**

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Josh Wurzer, President Date: 09/17/2019