

Sample Name: 12262019-SHAPE

LIMS Sample ID: 200109S007

Batch #:

Source Metrc ID(s):

Sample Type: Concentrate, Product Inhalable

Batch Count: Sample Count: Unit Mass: Serving Mass:

Density:

Moisture Test Results

Results (%)
Moisture NT

Cannabinoid Test Results

01/10/2020

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

,	mg/g	%	LOD / LOQ mg/g
Δ9ΤΗC	ND	ND	0.052 / 0.158
Δ8ΤΗC	ND	ND	0.053 / 0.162
THCa	ND	ND	0.052 / 0.156
THCV	ND	ND	0.023 / 0.069
THCVa	ND	ND	0.091 / 0.276
CBD	567.724	56.7724	0.052 / 0.158
CBDa	ND	ND	0.052 / 0.156
CBDV	3.220	0.3220	0.021 / 0.063
CBDVa	ND	ND	0.037 / 0.111
CBG	19.669	1.9669	0.030 / 0.092
CBGa	ND	ND	0.044 / 0.133
CBL	ND	ND	0.130 / 0.393
CBN	ND	ND	0.052 / 0.157
CBC	ND	ND	0.031 / 0.094
CBCa	ND	ND	0.129 / 0.392
Sum of Cannabinoids:	590.613	59.0613	
Total THC (Δ9THC+0.877*THCa)	ND	ND	
Total CBD (CBD+0.877*CBDa)	567.724	56.7724	

Action Limit mg

 Δ 9THC per Unit Δ 9THC per Serving

Date Collected: 01/09/2020

Date Received: 01/10/2020

License #:
Address:

Tested for:

Produced by:

License #:
Address:

Terpene Test Results

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

CalyFx Hemp

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

88.9327% Total CBD¹ **92.5098**% Total Cannabinoids³ **Terpenes** Not Tested



Sample ID:



200103T015



- 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.

RESIDUAL PESTICIDES

PASSED

MICROBIAL IMPURITIES
PASSED

RESIDUAL SOLVENTS

PASSED

12262019CBD-1-2-3

Tested for: CalyFx Hemp

Address: Date Collected: 01/03/2020

Date Received: 01/04/2020

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: 01/06/2020



Sample Name: 12262019CBD-1-2-3

LIMS Sample ID: 200103T015

Batch #:

Source Metrc ID(s):

Sample Type:

Concentrate, Product Inhalable

Batch Count: Sample Count: Unit Mass:

Serving Mass:

Density:

Moisture Test Results

Cannabinoid 1	Test Results	01/04/2020
Moisture	Results (%) NT	

Cannabinoid analysis utilizing High Performance Liquid Chromatography

(111 LC, Q31 3-4-4	+-4)			
		mg/g	%	LOD / LOQ mg/g
Δ9THC		ND	ND	0.052 / 0.158
Δ8THC		ND	ND	0.053 / 0.162
THCa		ND	ND	0.052 / 0.156
THCV		ND	ND	0.023 / 0.069
THCVa		ND	ND	0.091 / 0.276
CBD		889.327	88.9327	0.052 / 0.158
CBDa		ND	ND	0.052 / 0.156
CBDV		5.076	0.5076	0.021 / 0.063
CBDVa		ND	ND	0.037 / 0.111
CBG		30.695	3.0695	0.030 / 0.092
CBGa		ND	ND	0.044 / 0.133
CBL		ND	ND	0.130 / 0.393
CBN		ND	ND	0.052 / 0.157
CBC		ND	ND	0.031 / 0.094
CBCa		ND	ND	0.129 / 0.392

Action Limit mg

Sum of Cannabinoids: 925.098 92.5098 Total THC (Δ9THC+0.877*THCa) Total CBD (CBD+0.877*CBDa) ND ND 889.327 88.9327

Δ9THC per Unit Δ9THC per Serving

Batch Photo





Date Collected: 01/03/2020 Date Received: 01/04/2020

License #: Address:

Tested for:

Produced by:

License #: Address:

Terpene Test Results

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

CalyFx Hemp

Detection (GC - FID)	mg/g	%	LOD / LOQ mg/g
	nig/g NT	76	LOD / LOQ IIIg/g
	NT		
Geraniol	NT		
	NT		
Terpinolene	NT		
Valencene	NT		
Menthol	NT		
	NT		
	NT		
Camphene	NT		
	NT		
	NT NT		
	NT		
	NT		
	NT		
	NT		
Limonene	NT		
Myrcene	NT		
Fenchol	NT		
	NT		
Caryophyllene Oxide	NT		
	NT		
	NT		
R-(+)-Pulegone			
Geranyl Acetate			
Phytol			

Sample Certification

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Josh Wurzer, President Date: 01/06/2020



Sample Name: 12262019CBD-1-2-3

LIMS Sample ID: 200103T015

Batch #:

Source Metrc ID(s):

Sample Type: Concentrate, Product Inhalable

Batch Count:
Sample Count:
Unit Mass:
Serving Mass:

Density:

Date Collected: 01/03/2020

Date Received: 01/04/2020

Tested for: CalyFx Hemp

License #:

Address:

Produced by:

License #:

Address:

Pesticide Test Results - Pass

01/05/2020

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

'	,	Results (µg/g)	Action Limit µg/g	Reporting Limit µg/g
Abamectin	Pass	ND (75.5)	0.1	0.091
Bifenazate	Pass	ND	0.1	0.035
Bifenthrin	Pass	ND	3.0	0.038
Boscalid	Pass	ND	0.1	0.023
Etoxazole	Pass	ND	0.1	0.022
Imidacloprid	Pass	ND	5.0	0.050
Myclobutanil	Pass	<rl< td=""><td>0.1</td><td>0.044</td></rl<>	0.1	0.044
Piperonylbutoxide	Pass	2.372	3.0	0.020
Pyrethrins	Pass	ND	0.5	0.036
Spinosad	Pass	ND	0.1	0.031
Spiromesifen	Pass	ND	0.1	0.015
Spirotetramat	Pass	ND	0.1	0.042

Mycotoxin Test Results

Mycotoxin analysis utilizing HPLC-Mass Spectrometry

Atlatoxin B1, B2, G1, G2
Ochratoxin A

Results (µg/kg) Action Limit µg/kg

LOD / LOQ µg/kg

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Sample Name: 12262019CBD-1-2-3

LIMS Sample ID: 200103T015

Batch #:

Source Metrc ID(s):

Sample Type: Concentrate, Product Inhalable

Batch Count: Sample Count: Unit Mass: Serving Mass:

Density:

Residual Solvent Test Results - Pass

01/05/2020

01/06/2020

Residual Solvent analysis utilizing Gas Chromatography - Mass

Spectrometry (GC - IVIS)					
D	Results (µg/g)	Action Limit µg/g	LOD / LOQ µg/g		
			0.111 / 0.336		
Pass	ND	1.0	0.043 / 0.132		
Pass	ND	1.0	0.064 / 0.195		
Pass	0.550	1.0	0.136 / 0.413		
Pass	ND	1.0	0.172 / 0.521		
Pass	ND	1.0	0.040 / 0.120		
Pass	121.650	5000.0	14.703 / 44.549		
Pass	ND	410.0	2.727 / 8.262		
Pass	<loq< td=""><td>5000.0</td><td>5.672 / 17.185</td></loq<>	5000.0	5.672 / 17.185		
Pass	68.366	5000.0	11.775 / 35.679		
Pass	ND	5000.0	16.227 / 49.169		
Pass	ND	5000.0	11.608 / 35.172		
Pass	ND	5000.0	12.982 / 39.336		
Pass	ND	290.0	1.816 / 5.502		
Pass	ND	5000.0	15.358 / 46.536		
Pass	96.360	3000.0	15.584 / 47.220		
Pass	ND	5000.0	12.355 / 37.434		
Pass	ND	5000.0	1.359 / 4.117		
Pass	ND	890.0	7.174 / 21.736		
Pass	ND	2170.0	34.438 / 104.347		
	Pass Pass Pass Pass Pass Pass Pass Pass	Results (µg/g)	Results (μg/g) Action Limit μg/g Pass ND 1.0 Pass 121.650 5000.0 Pass ND 410.0 Pass <loq< td=""> 5000.0 Pass ND 5000.0 Pass ND 5000.0 Pass ND 5000.0 Pass ND 290.0 Pass ND 5000.0 Pass ND 5000.0</loq<>		

Microbiological Test Results - Pass

PCR and fluorescence detection of microbiological impurities

	Results	Action Limit			
ass	ND	ND			
ass	ND	ND			
ass	ND	ND			
ass	ND	ND			
ass	ND	ND			
ass	ND	ND			
,	lass lass lass lass				

3M Petrifilm and plate counts for microbiological contamination

Results (cfu/q)

erobic Plate Count

NT

Foreign Material Test Results

NIT

Date Collected: 01/03/2020

Date Received: 01/04/2020

Tested for: CalyFx Hemp

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

dmium NT
ad NT
senic NT

Note

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