Tested By
ANALYTICAL 360
Cannabis Analysis Laboratory

Certificate of Analysis

HP Tincture @AC26Ki

Lazarus Naturals

Test Result UID:	ANL0009109
Washington State Lot ID:	
Washington State Sample ID:	
Date Tested:	03/15/2018
Serving Size:	1 ml = 0.931 g

Potency Profile (Method: HPLC-DAD)

CBG-A	< 0.01 mg/g	< 0.01 mg/srv
CBG	1.40 mg/g	1.30 mg/srv
CBG TOTAL (CBG-A * 0.878 + CBG)[1]	1.40 mg/g	1.30 mg/srv
Δ9-THC-A	< 0.01 mg/g	< 0.01 mg/srv
Δ9-THC	1.66 mg/g	1.54 mg/srv
Δ9-THCV	< 0.01 mg/g	< 0.01 mg/srv
Δ8-THC	< 0.01 mg/g	< 0.01 mg/srv
CBN	< 0.01 mg/g	< 0.01 mg/srv
THC-TOTAL (THC-A * 0.877 + THC)[1]	1.66 mg/g	1.54 mg/srv
CBD-A	< 0.01 mg/g	< 0.01 mg/srv
CBD	53.11 mg/g	49.45 mg/srv
CBDV-A	< 0.01 mg/g	< 0.01 mg/srv
CBDV	0.02 mg/g	0.02 mg/srv
CBD-TOTAL (CBD-A * 0.877 + CBD)[1]	53.11 mg/g	49.45 mg/srv
CBC	< 0.01 mg/g	< 0.01 mg/srv
ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC)[2]	56.19 mg/g	52.31 mg/srv
TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THCV)	56.19 mg/g	52.31 mg/srv

1 - Cannabinoid totals are adjusted to account for the decarboxylation of the cannabinoid acids. The reported total is the amount of the activated cannabinoid that would be if all of the carboxylic acid has been removed through decarboxylation.

2 - Cannabinoids that have been activated through decarboxylation (curing/storage of flowers, or heating/cooking of edibles, tinctures, & concentrates)

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Analytical 360, LLC certifies that the results presented on the previous 3 pages are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Approved by: Dr. Paul Mathews

UBI: 603120434
Lab: 0004

Labtech Notes

- None

IEH Analytical Laboratories

3927 Aurora Ave. N. , Seattle, WA 98103 | (206) 632-2715

METALS REPORT

Results of Analysis by Mod. EPA Method 6020A

Measurement of Metals in Solids by ICP/MS

Company: Lazarus Naturals

Date Received: 1/3/2018
Date Analyzed: 1/9/2018
Date of Report: 1/10/2018

Matrix: Oil
Analyst: KW
Supervisor's Initials: RM

Case File No:	Sample ID	Sample Weight (g)	Final Vol. (mL)	Dilution	RL (mg/kg)	Arsenic (mg/kg)	Cadmium (mg/kg)	Mercury (mg/kg)	Lead (mg/kg)
MIS04993A1	01	0.55	50	1	0.01	0.02	< 0.01	< 0.01	0.01

RL: Reporting Limit

Results relate only to the submitted sample. IEH Analytical Laboratories makes no claim about the other portions of this commodity/lot.

Sample ID: 01

CERTIFICATE OF ANALYSIS

CW ANALYTICAL LABORATORIES | 510.545.6984

Sample Name: 01
Client: cyclingfrogcali
Sample Type: Oil
Strain: Unknown

Submitted: January 12, 2018
Tested: January 12, 2018
Submitted for: Chemres,

Cannabinoid Profiling

Analysis of major cannabinoids by advanced chromatography. [GC: SOP-010; HPLC: SOP-014]

	HPLC		GC	
	Percent	**mg/g**	**Percent**	**mg/g**
d9-THC	NA	NA	NA	NA
d8-THC	NA	NA	NA	NA
THCA	NA	NA	NA	NA
THCV	NA	NA	NA	NA
CBG	NA	NA	NA	NA
CBGA	NA	NA	NA	NA
CBN	NA	NA	NA	NA
CBD	NA	NA	NA	NA
CBDV	NA	NA	NA	NA
CBDA	NA	NA	NA	NA
Total	NA	NA	NA	NA

Microbiological Screening

Petriflim screening for microbiological contamination. [SOP-009]

	Count	Client Limit**	Status***
APC	NA		
Yeast & Mold	NA		
Coliform	NA		
E coli	NA		
Pseudomonas	NA		
Salmonella	NA		

*TNTC = Too Numerous To Count
**Client Limit = The limit is self-selected and will be replaced by official CA state limits when they become available.
***Pass/Fail based on client limit selected.
[1]ND = Not Detected

Terpene Profiling

Analysis of terpenes. [SOP-012]

	PPM		PPM		PPM
b-Myrcene	NT	Sabinene	NT	Elemene	NT
Nerol	NT	b-Pinene	NT	Phellandrene	NT
Nerolidol	NT	Camphene	NT	Isopulegol	NT
Ocimene	NT	Eucalyptol	NT	Linalool	NT
a-Bisbolol	NT	(-)-Fenchone	NT	(+)-Fenchone	NT
Farnasene	NT	Fenchol	NT	a-Caryophyllene	NT
Valencene	NT	Camphor	NT	Guaiol	NT
d3-Carene	NT	Borneol	NT	Bergamotene	NT
d-Limonene	NT	Pulegone	NT	Terpineol	NT
g-Terpinene	NT	Cedrol	NT	Terpinolene	NT
a-Pinene	NT	b-Caryophyllene	NT	a-Terpinene	NT
Total Terpenes		**0.0 PPM**			

*ND = Not Detected

Residual Solvent Analysis

Analysis of residual solvents. [SOP-011]

	PPM	Client Limit**		PPM	Client Limit**
Acetone	NT	400	Methanol	NT	400
Benzene	NT	400	nButane	NT	400
Ethanol	NT	400	Pentane	NT	400
Heptane	NT	400	Propane	NT	400
Hexane	NT	400	Toluene	NT	400
Isopropanol	NT	400			

*ND = Not Detected
**Client Limit is self-selected and will be replaced by official CA State limits when they become available

This sample was tested by CW Analytical Laboratories.
Results are valid through the expiration date indicated.
Robert W Martin, PhD

CERTIFICATE OF ANALYSIS

CW ANALYTICAL LABORATORIES | 510.545.6984

Sample Name: 01
Client: cyclingfrogcali
Sample Type: Oil
Strain: Unknown

Submitted: January 12, 2018
Tested: January 12, 2018
Submitted for: Chemres,

Chemical Residue Screening

Targeted analysis of chemical residues. [SOP-017]

	PPB	Client Limit*	Status***		PPB	Client Limit**	Status***
Abamectin	ND*	100	Pass	Imidacloprid	ND*	Pass	100
Azoxystrobin	ND*	100	Pass	Malathion	ND*	Pass	100
Bifenazate	ND*	100	Pass	Metalaxyl	ND*	Pass	100
Bifenthrin	ND*	100	Pass	Myclobutanil	ND*	Pass	100
Boscalid	ND*	100	Pass	Paclobutrazol	ND*	Pass	100
Carbaryl	ND*	100	Pass	Permethrin	ND*	Pass	100
Dichlorvos	ND*	100	Pass	Spirotetramat	ND*	Pass	100
Etoxazole	ND*	100	Pass	Tebuconazole	ND*	Pass	100
Fenoxycarb	ND*	100	Pass	Trifloxystrobin	ND*	Pass	100
Imazalil	ND*	100	Pass				

Sum of Chem. Residues **0 PPB**

*ND = Not Detected
**Client Limit is self-selected and will be replaced by official CA State limits when they become available
****Pass/Fail based on client limit selected.

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Robert W Martin, PhD