MEDICINE CREEK ANALYTICS

Certificate of Analysis

CLIENT:	Lazarus Naturals	SAMPLE:	Coco @BA27-13
Attn.:		Laboratory ID:	190109-003
		Type:	Topical
Address:		Inventory ID:	-
		Batch ID:	-
		Received on:	01.09.2019
		Reported on:	01.10.2019

Cannabinoids method and instrument: UFLC-PDA

Cannabinoids		mg/mL	mg/Unit
Cannabidivarin	CBDV	ND	ND
Tetrahydrocannabivarin	THCV	ND	ND
Cannabidiol	CBD	10.72	10.72
Cannabigerol	CBG	0.53	0.53
Cannabidiolic Acid	CBDA	ND	ND
Cannabigerol Acid	CBGA	0.16	0.16
Cannabinol	CBN	ND	ND
delta-9-Tetrahydrocannabinol	THC	0.53	0.53
delta-8-Tetrahydrocannabinol	Δ8-THC	ND	ND
Cannabichromene	CBC	0.06	0.06
Tetrahydrocannabinolic Acid	THCA	ND	ND
Total CBX = CBX + (CBXA x 0.877)	**Total THC**	**0.53**	**0.53**
	Total CBD	**10.72**	**10.72**

Unit Volume (mL): 1.0

Micro & Mycotoxin	Result	Unit	State Limit	Retest Limit
Not Reported	NR	CFU/g	NA	NA

Heavy Metals	Concentration	Unit	AL Inhalable / Other
Not Reported	NR	ug/5g	NA

Residual Solvents	Concentration	Unit	Class	State Limit
Not Reported	NR	PPM	NA	NA

Pesticides	Concentration	Unit	State Limit
Not Reported	NR	PPM	NA

Terpenes	Unit (mg/g)		Unit (mg/g)
Not Reported	NR		NR

NR = Not Reported
ND = Not Detected
DET = Detected
LOD = Limit of Detection
LOQ = Limit of Quantification
% m/m = Percent by Mass
% Mw = Percent Moisture, wet basis
CFU/g = Colony Forming Units per gram
TNTC = Too numerous to count

POTENCY MICROBIAL RESIDUAL SOLVENTS

PJLA Testing

Authorized Signature:

Kyle Shelton

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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: 4/11/2017
Date Analyzed: 4/12/2017
Date of Report: 4/19/2017

Matrix: Concentrate
Analyst: CC
Supervisor's Initials: MK

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)
MIS04654A1	13	0.55	50	1	0.10	< 0.10	< 0.10	< 0.10	< 0.10
MIS04654A2	13	0.53	50	1	0.10	< 0.10	< 0.10	< 0.10	< 0.10

RL: Reporting Limit

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

CERTIFICATE OF ANALYSIS

CW ANALYTICAL LABORATORIES | 510.545.6984

Sample Name: 13
Client: cyclingfrogcali
Sample Type: Oil Strain:
Unknown

Submitted: March 13, 2017
Tested: March 13, 2017
Expires: June 11, 2017
Submitted for: Chemres,

Cannabinoid Profiling

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

	GC		HPLC	
	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
CBC	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.

Terpene Profiling

Analysis of terpenes. [SOP-012]

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

*ND = Not Detected

Residual Solvent Analysis

Analysis of residual solvents. [SOP-011]

	PPM	Client Limit**		PPM	Client Limit**
Acetone	NA	400	Isopentane	NA	400
Benzene	NA	400	Isopropanol	NA	400
Chloroform	NA	400	Methanol	NA	400
Ethanol	NA	400	nButane	NA	400
Heptane	NA	400	Pentane	NA	400
Hexane	NA	400	Propane	NA	400
Isobutane	NA	400	Toluene	NA	400

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

CW uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgement. However, CW makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of these data in any way. Further, CW makes no claims regarding the representativeness of the analyzed sample to the larger batch from which it was taken. As part of our strict confidentiality policy, CW can only discuss results with the original client of record. Comments? lab@cwanalytical.com

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: 13
Client: cyclingfrogcali
Sample Type: Oil Strain:
Unknown

Submitted: March 13, 2017
Tested: March 13, 2017
Expires: June 11, 2017
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*	100	Pass
Azoxystrobin	ND*	100	Pass	Malathion	ND*	100	Pass
Bifenazate	ND*	100	Pass	Metalaxyl	ND*	100	Pass
Bifenthrin	ND*	100	Pass	Myclobutanil	ND*	100	Pass
Boscalid	ND*	100	Pass	Paclobutrazol	ND*	100	Pass
Carbaryl	ND*	100	Pass	Permethrin	ND*	100	Pass
Dichlorvos	ND*	100	Pass	Spiromesifen	ND*	100	Pass
Etoxazole	ND*	100	Pass	Spirotetramat	ND*	100	Pass
Fenoxycarb	ND*	100	Pass	Tebuconazole	ND*	100	Pass
Imazalil	ND*	100	Pass	Trifloxystrobin	ND*	100	Pass
Sum of Residual Solvents		**0.0 PPB**		**Status***: Pass (Client Limit: 100 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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