Rose City LABORATORIES

Analytical Test Report

Science First. ORELAP ID: 4096 OLCC#: 010-1002112892C
11119 SE Division St., Portland, OR 97266 (503) 307-0096

@BA72-13

Lab ID: 1901150-02RE1

Lazarus Naturals

METRC Batch ID:

Date Sampled: 01/25/19
Date Printed: 02/6/19

Report cannot be used for OLCC/OHA compliance.

Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 - SOP 19 and 20

Cannabinoids (% weight)		Notes
THCA	< LOQ	
delta 9-THC	0.122	
delta 8-THC	< LOQ	
CBGA	< LOQ	
CBDA	< LOQ	
CBD	2.01	
CBN	< LOQ	
CBG	0.0867	
CBC	< LOQ	

Total THC
0.122 %

Total CBD
2.01 %

<LOQ - Results below the Limit of Quantitation

Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as CO2. Result = *bioactive*
"Total" Cannabinoid accounts for decarboxylation and moisture content. Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)

Harrison Cassady
Lab Director

Rose City LABORATORIES

Analytical Test Report

Science First. ORELAP ID: 4096 OLCC#: 010-1002112892C
11119 SE Division St., Portland, OR 97266 (503) 307-0096

@BA72-13

Lab ID: 1901150-02

Lazarus Naturals

METRC Batch ID:

Date Sampled: 01/25/19
Date Printed: 02/6/19

Report cannot be used for OLCC/OHA compliance.

@BA72-13

Lazarus Naturals

Date Sampled: 01/25/19 00:00
Date Accepted: 01/25/19
Results Valid Until: 01/25/20

Sample ID: 1901150-02 **Matrix:** Extracts and Concentrates **M #:**

Pesticide Analysis in PPM

Date/Time Extracted: 02/04/19 15:07
Analysis Method/SOP: * DEFAULT SPECIFIC**
Batch Identification: B19B009

Date/Time GC Analyzed:
Date/Time LC Analyzed:

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2336	Avermectin insecticide
Acephate	< LOQ	0.4	0.1869	Organophosphate Insecticide
Acequinocyl	< LOQ	2	0.9344	Quinoline insecticide
Acetamiprid	< LOQ	0.2	0.09344	Neonicotinoid instecticide
Aldicarb	< LOQ	0.4	0.1869	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.09344	Strobin fungicide
Bifenazate	< LOQ	0.2	0.09344	Carbazate miticide
Bifenthrin	< LOQ	0.2	0.09344	Pyrethroid insecticide
Boscalid	< LOQ	0.4	0.1869	Carboxamide fungicide
Carbaryl	< LOQ	0.2	0.09344	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.09344	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.09344	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.4672	Pyrrole insecticide
Chlorpyrifos	< LOQ	0.2	0.09344	Organophosphate Insecticide
Clofentezine	< LOQ	0.2	0.09344	Tetrazine miticide
Cyfluthrin	< LOQ	1	0.4672	Pyrethroid insecticide
Cypermethrin	< LOQ	1	0.4672	Pyrethroid insecticide
Daminozide	< LOQ	1	0.4672	Plant growth regulator
DDVP (Dichlorvos)	< LOQ	1	0.4672	Organophosphate insecticide
Diazinon	< LOQ	0.2	0.09344	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.09344	Organophosphate insecticide
Ethoprophos	< LOQ	0.2	0.09344	Organophosphate insecticide

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Lazarus Naturals

Laboratory ID: 1901150-02

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Lazarus Naturals

Date Sampled: 01/25/19 00:00
Date Accepted: 01/25/19
Results Valid Until: 01/25/20

Sample ID: 1901150-02 **Matrix:** Extracts and Concentrates **M #:**

Pesticide Analysis in PPM

Date/Time Extracted: 02/04/19 15:07
Analysis Method/SOP: * DEFAULT SPECIFIC**
Batch Identification: B19B009

Date/Time GC Analyzed:
Date/Time LC Analyzed:

Analyte	Result	Action Level	LOQ	Type
Etofenprox	< LOQ	0.4	0.1869	Pyrethroid insecticide
Etoxazole	< LOQ	0.2	0.09344	Oxazoline insecticide
Fenoxycarb	< LOQ	0.2	0.09344	Carbamate insecticide
Fenpyroximate	< LOQ	0.4	0.1869	Pyrazolium miticide
Fipronil	< LOQ	0.4	0.1869	Pyrazole insecticide
Flonicamid	< LOQ	1	0.4672	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.1869	Benzodioxole fungicide
Hexythiazox	< LOQ	1	0.4672	Heterocyclic miticide
Imazalil	< LOQ	0.2	0.09344	Imidazole fungicide
Imidacloprid	< LOQ	0.4	0.1869	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.1869	Strobilurin fungicide
Malathion	< LOQ	0.2	0.09344	Organophosphate insecticide
Metalaxyl	< LOQ	0.2	0.09344	Benzenoid fungicide
Methiocarb	< LOQ	0.2	0.09344	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1869	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.09344	Organophosphate insecticide
MGK-264	< LOQ	0.2	0.09344	Pesticide synergist
Myclobutanil	< LOQ	0.2	0.09344	Triazole fungicide
Naled	< LOQ	0.5	0.2336	Organophosphate insecticide
Oxamyl	< LOQ	1	0.8176	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.1869	Triazole fungicide
Permethrins	< LOQ	0.2	0.09344	Pyrethroid insecticide
Phosmet	< LOQ	0.2	0.09344	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	0.4672	Pesticide synergist
Prallethrin	< LOQ	0.2	0.09344	Pyrethroid insecticide
Propiconazole	< LOQ	0.4	0.1869	Triazole fungicide
Propoxur	< LOQ	0.2	0.09344	Carbamate insecticide
Pyrethrins	< LOQ	1	0.2336	Pyrethroid insecticide

Harrison Cassady
Lab Director

Rose City LABORATORIES

Analytical Test Report

Science First. ORELAP ID: 4096 OLCC#: 010-1002112892C
11119 SE Division St., Portland, OR 97266 (503) 307-0096

@BA72-13

Lazarus Naturals

Laboratory ID: 1901150-02

@BA72-13

Lazarus Naturals

Date Sampled: 01/25/19 00:00
Date Accepted: 01/25/19
Results Valid Until: 01/25/20

Sample ID: 1901150-02 **Matrix:** Extracts and Concentrates **M #:**

Pesticide Analysis in PPM

Date/Time Extracted: 02/04/19 15:07
Analysis Method/SOP: * DEFAULT SPECIFIC**
Batch Identification: B19B009

Date/Time GC Analyzed:
Date/Time LC Analyzed:

Analyte	Result	Action Level	LOQ	Type
Pyridaben	< LOQ	0.2	0.09344	Pyridazinone insecticide
Spinosad	< LOQ	0.2	0.09344	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.09344	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.09344	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1869	Spiroketalamine fungicide
Tebuconazole	< LOQ	0.4	0.1869	Triazole fungicide
Thiacloprid	< LOQ	0.2	0.09344	Neonicotinoid insecticide
Thiamethoxam	< LOQ	0.2	0.09344	Neonicotinoid insecticide
Trifloxystrobin	< LOQ	0.2	0.09344	Strobin fungicide

<LOQ - Results below the Limit of Quantitation - Compound not detected
Results above the Action Level fail state testing requirements and will be highlighted Red.

Harrison Cassady
Lab Director

PIXIS Labs
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Job Number:	19-001330
Report Number:	19-001330-00
Report Date:	02/14/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	02/07/19 16:00

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Customer: Rose City Labs
11119 SE Division St.
Portland Oregon 97266
United States

Product identity: BA72-13
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-001330-0001
Relinquished by: Zach Huson
Temp: 17.1 °C
Weight Received: 45 g

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/ml	10	1901151	02/10/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/ml	10	1901151	02/10/19	AOAC 991.14 (Petrifilm)	X
Mold	< LOQ		cfu/ml	10	1901154	02/12/19	AOAC 997.02 (Petrifilm)	X
Yeast	< LOQ		cfu/ml	10	1901154	02/12/19	AOAC 997.02 (Petrifilm)	X

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0491	1901267	02/12/19	AOAC 2013.06 (mod)	X
Cadmium	< LOQ		mg/kg	0.0491	1901267	02/12/19	AOAC 2013.06 (mod)	X
Lead	< LOQ		mg/kg	0.0491	1901267	02/12/19	AOAC 2013.06 (mod)	X
Mercury	< LOQ		mg/kg	0.0246	1901267	02/12/19	AOAC 2013.06 (mod)	X

Testing in accordance with: OAR 333-007-0390

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.

Sample ID: 13

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

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.

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