



Certificate of Analysis

CLIENT:	Lazarus Naturals	SAMPLE:	HPTN 07:26 (1)
Attn.:		Laboratory ID:	180613-025
Address:		Type:	Tincture
		Inventory ID:	-
		Batch ID:	-
		Received on:	06.13.2018
		Reported on:	06.15.2018

Cannabinoids		mg/mL	mg/Unit
Cannabidiol	CBDV	ND	ND
Tetrahydrocannabinol	THCV	ND	ND
Cannabidiol	CBD	55.28	55.28
Cannabigerol	CBG	2.45	2.45
Cannabidiolic Acid	CBDA	ND	ND
Cannabigerol Acid	CBGA	0.17	0.17
Cannabinol	CBN	ND	ND
delta-9-Tetrahydrocannabinol	THC	2.22	2.22
delta-8-Tetrahydrocannabinol	Δ8-THC	ND	ND
Cannabichromene	CBC	2.34	2.34
Tetrahydrocannabinolic Acid	THCA	0.15	0.15
Total CBX = CBX + (CBXA x 0.877)		Total THC	2.4
		Total CBD	55.3
		Unit Volume (mL)	1.0

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



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: 4/25/2018

Date Analyzed: 4/26/2018

Date of Report: 5/2/2018

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)
MIS05170A1	09	0.53	50	1	0.01	0.03	< 0.01	< 0.01	0.04

RL: Reporting Limit

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

Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

Batch ID: ACDC

Date Sampled: 05/07/18 Date

Printed: 05/10/18

Report cannot be used for OLCC/OHA compliance.

09

Date Sampled: 05/07/18 00:00

Date Accepted: 05/07/18

Lazarus Naturals

Sample ID: 09

Matrix: Products

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 05/08/18 17:16

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT SPEC

Date/Time LC Analyzed:

Batch Identification: B18E032

Analyte	Result	Action Level	LOQ	Type
Abamectin	< LOQ	0.5	0.2405	
Acephate	< LOQ	0.4	0.1924	Organophosphate Insecticide
Acequinocyl	< LOQ	2	0.9619	
Acetamiprid	< LOQ	0.2	0.09619	Neonicotinoid insecticide
Aldicarb	< LOQ	0.4	0.1924	Carbamate insecticide
Azoxystrobin	< LOQ	0.2	0.09619	
Bifenazate	< LOQ	0.2	0.09619	Unclassified insecticide
Bifenthrin	< LOQ	0.2	0.09619	
Boscalid	< LOQ	0.4	0.1924	Anilide fungicide
Carbaryl	< LOQ	0.2	0.09619	Carbamate insecticide
Carbofuran	< LOQ	0.2	0.09619	Carbamate insecticide
Chlorantraniliprole	< LOQ	0.2	0.09619	Anthranilic diamide insecticide
Chlorfenapyr	< LOQ	1	0.4810	Pyrazole insecticide
Chlorpyrifos	< LOQ	0.2	0.09619	Organophosphate Insecticide
Clofentezine	< LOQ	0.2	0.09619	
Cyfluthrin	< LOQ	1	0.4810	
Cypermethrin	< LOQ	1	0.4810	
Daminozide	< LOQ	1	0.4810	
DDVP (Dichlorvos)	< LOQ	1	0.4810	
Diazinon	< LOQ	0.2	0.09619	Organophosphate Insecticide
Dimethoate	< LOQ	0.2	0.09619	
Ethoprophos	< LOQ	0.2	0.09619	
Etofenprox	< LOQ	0.4	0.1924	
Etoazole	< LOQ	0.2	0.09619	Unclassified miticide
Fenoxycarb	< LOQ	0.2	0.09619	
Fenpyroximate	< LOQ	0.4	0.1924	



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

09

Date Sampled: 05/07/18 00:00

Date Accepted: 05/07/18

Lazarus Naturals

Sample ID: 09

Matrix: Products

M #:

Pesticide Analysis in PPM

Date/Time Extracted: 05/08/18 17:16

Date/Time GC Analyzed:

Analysis Method/SOP: *** DEFAULT SPEC

Date/Time LC Analyzed:

Batch Identification: B18E032

Analyte	Result	Action Level	LOQ	Type
Fipronil	< LOQ	0.4	0.1924	Pyrazole insecticide
Flonicamid	< LOQ	1	0.4810	Pyridinecarboxamide insecticide
Fludioxonil	< LOQ	0.4	0.1924	non-systemic fungicide
Hexythiazox	< LOQ	1	0.4810	
Imazalil	< LOQ	0.2	0.09619	Azole fungicide
Imidacloprid	< LOQ	0.4	0.1924	Neonicotinoid insectide
Kresoxim-methyl	< LOQ	0.4	0.1924	
Malathion	< LOQ	0.2	0.09619	
Metalaxyl	< LOQ	0.2	0.09619	
Methiocarb	< LOQ	0.2	0.09619	Carbamate insecticide
Methomyl	< LOQ	0.4	0.1924	Carbamate insecticide
Methyl parathion	< LOQ	0.2	0.09619	
MGK-264	< LOQ	0.2	0.09619	
Myclobutanil	< LOQ	0.2	0.09619	Azole fungicide
Naled	< LOQ	0.5	0.2405	
Oxamyl	< LOQ	1	0.9619	Carbamate insecticide
Paclobutrazol	< LOQ	0.4	0.1924	Azole plant growth regulator
Permethrins	< LOQ	0.2	0.09619	
Phosmet	< LOQ	0.2	0.09619	Organophosphate insecticide
Piperonyl butoxide	< LOQ	2	0.4810	
Prallethrin	< LOQ	0.2	0.09619	
Propiconazole	< LOQ	0.4	0.1924	
Propoxur	< LOQ	0.2	0.09619	Carbamate insecticide
Pyrethrins	< LOQ	1	0.4810	
Pyridaben	< LOQ	0.2	0.09619	Unclassified insecticide
Spinosad	< LOQ	0.2	0.09619	Spinosyn insecticide
Spiromesifen	< LOQ	0.2	0.09619	Keto-enol insecticide
Spirotetramat	< LOQ	0.2	0.09619	Keto-enol insecticide
Spiroxamine	< LOQ	0.4	0.1924	Unclassified fungicide
Tebuconazole	< LOQ	0.4	0.1924	
Thiacloprid	< LOQ	0.2	0.09619	
Thiamethoxam	< LOQ	0.2	0.09619	Neonicotinoid insectide
Trifloxystrobin	< LOQ	0.2	0.09619	Strobin fungicide



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

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



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

Quality Control Pesticide Analysis

Batch: B18E032 - Pest

Blank(B18E032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	< LOQ	0.2500	ppm		05/08/18 17:16	05/09/18 19:06	
Acephate	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Acequinocyl	< LOQ	1.000	ppm		05/08/18 17:16	05/09/18 19:06	
Acetamiprid	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Aldicarb	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Azoxystrobin	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Bifenazate	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Bifenthrin	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Boscalid	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Carbaryl	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Carbofuran	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Chlorantraniliprole	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Chlorfenapyr	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Chlorpyrifos	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Clofentezine	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Cyfluthrin	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Cypermethrin	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Daminozide	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
DDVP (Dichlorvos)	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Diazinon	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Dimethoate	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Ethoprophos	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Etofenprox	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Etoxazole	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Fenoxycarb	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Fenpyroximate	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Fipronil	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Flonicamid	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Fludioxonil	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Hexythiazox	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Imazalil	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Imidacloprid	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Kresoxim-methyl	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Malathion	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Metalaxyl	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Methiocarb	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Methomyl	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Methyl parathion	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
MGK-264	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

Quality Control Pesticide Analysis (Continued)

Batch: B18E032 - Pest (Continued)

Blank(B18E032-BLK1)

Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Myclobutanil	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Naled	< LOQ	0.2500	ppm		05/08/18 17:16	05/09/18 19:06	
Oxamyl	< LOQ	1.000	ppm		05/08/18 17:16	05/09/18 19:06	
Paclobutrazol	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Permethrins	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Phosmet	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Piperonyl butoxide	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Prallethrin	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Propiconazole	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Propoxur	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Pyrethrins	< LOQ	0.5000	ppm		05/08/18 17:16	05/09/18 19:06	
Pyridaben	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Spinosad	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Spiromesifen	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Spirotetramat	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Spiroxamine	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Tebuconazole	< LOQ	0.2000	ppm		05/08/18 17:16	05/09/18 19:06	
Thiacloprid	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Thiamethoxam	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	
Trifloxystrobin	< LOQ	0.1000	ppm		05/08/18 17:16	05/09/18 19:06	

LCS(B18E032-BS1)

Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Abamectin	115	0.2500	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Acephate	92.3	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Acequinocyl	101	1.000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Acetamiprid	96.7	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Aldicarb	100	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Azoxystrobin	104	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Bifenazate	92.0	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Bifenthrin	91.5	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Boscalid	104	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Carbaryl	102	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Carbofuran	103	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Chlorantraniliprole	90.1	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Chlorfenapyr	80.6	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Chlorpyrifos	89.3	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Clofentezine	101	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Cyfluthrin	110	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

Quality Control Pesticide Analysis (Continued)

Batch: B18E032 - Pest (Continued)

LCS(B18E032-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Cypermethrin	75.0	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Daminozide	81.9	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
DDVP (Dichlorvos)	72.8	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Diazinon	98.6	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Dimethoate	105	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Ethoprophos	89.3	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Etofenprox	98.2	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Etoxazole	97.6	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Fenoxycarb	97.5	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Fenpyroximate	101	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Fipronil	101	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Flonicamid	106	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Fludioxonil	93.9	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Hexythiazox	95.5	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Imazalil	100	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Imidacloprid	115	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Kresoxim-methyl	110	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Malathion	108	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Metalaxyl	102	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Methiocarb	99.7	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Methomyl	88.8	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Methyl parathion	115	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
MGK-264	96.2	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Myclobutanil	95.0	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Naled	98.0	0.2500	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Oxamyl	115	1.000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Paclobutrazol	82.5	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Permethrins	92.6	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Phosmet	108	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Piperonyl butoxide	104	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Prallethrin	92.2	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Propiconazole	101	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Propoxur	94.6	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Pyrethrins	96.5	0.5000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Pyridaben	105	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Spinosad	93.4	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Spiromesifen	99.2	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Spirotetramat	107	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Spiroxamine	96.6	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	



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Analytical Test Report

09

Lazarus Naturals

Laboratory ID: 1805024-03

Quality Control Pesticide Analysis (Continued)

Batch: B18E032 - Pest (Continued)

LCS(B18E032-BS1)							
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed	Notes
Tebuconazole	104	0.2000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Thiacloprid	100	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Thiamethoxam	116	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	
Trifloxystrobin	104	0.1000	ppm	70-130	05/08/18 17:16	05/09/18 18:46	

Notes and Definitions

- B Analyte detected in method blank, but not associated samples.
 - B2 Analyte detected in sample and associate method blank.
 - C Interference due to co-elution.
 - D Initial result exceeded calibration range, reported data are based on analysis of a dilution.
 - H Non-homogenous sample matrix affecting RPD and/or QC.
 - I Manual Integration was performed.
 - L Duplicate sample relative percent difference (RPD) exceeds QC limits.
 - M Anomalous results due to matrix interference
 - P Peaks manually split.
 - Q1 QC out of limits but still oK
 - Q2 Quality Control outside QC limits. Data considered estimate.
 - Q3 CCV was above the acceptance criteria. Non-detect samples are considered acceptable.
 - Q4 CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit.
 - R Marginal Exceedence.
 - U Reported result is an estimate. The analyte was detected above the calibration range.
 - X Problems with initial analysis, reported data are from reinjection of prepared sample.
- <LOQ - Results below the Limit of Quantitation - Compound not detected



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