

## CERTIFICATE OF ANALYSIS

prepared for: RE BOTANICALS 1624 MARKET STREET, SUITE: 202 PMB-91700 DENVER, CO 80202

Result (%)

Result (mg/g)

200mg Ginger Lime Roll-On

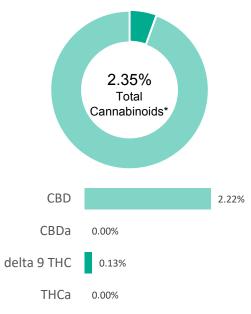
Test:

1959-3 9300825.0012 Batch ID: Test ID: Reported: 10-May-2019 Method: **TM14** Type: Concentrate

Compound

## CANNABINOID PROFILE

Potency



Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.08	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.04	0.13	1.3
Cannabidiolic acid (CBDA)	0.07	0.00	0.0
Cannabidiol (CBD)	0.04	2.22	22.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	0.00	0.0
Cannabinolic Acid (CBNA)	0.11	0.00	0.0
Cannabinol (CBN)	0.05	0.00	0.0
Cannabigerolic acid (CBGA)	0.07	0.00	0.0
Cannabigerol (CBG)	0.04	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.07	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.04	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.07	0.00	0.0
Cannabidivarin (CBDV)	0.04	0.00	0.0
Cannabichromenic Acid (CBCA)	0.06	0.00	0.0
Cannabichromene (CBC)	0.07	0.00	0.0
Total Cannabinoids		2.35	23.50
Total Potential THC**		0.13	1.30
Total Potential CBD**		2.22	22.20

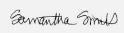
LOQ (%)

NOTES:

N/A

Total THC = THC + (THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877))

# FINAL APPROVAL



Sam Smith 10-May-2019 2:39 PM

PREPARED BY / DATE

David Green 10-May-2019 2:47 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





<sup>% = % (</sup>w/w) = Percent (Weight of Analyte / Weight of Product)

<sup>\*</sup> Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

<sup>\*\*</sup> Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step



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200mg Ginger Lime Roll-On

Batch ID: 1959-3 Test ID: 1454115.025 Reported: 10-May-2019 Method: TM04 Concentrate Type: Test: Residual Solvents

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

**FINAL APPROVAL** 

alex Smith

Alex Smith 10-May-2019 3:28 PM

David Green 10-May-2019 3:30 PM

APPROVED BY / DATE

PREPARED BY / DATE



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prepared for: RE BOTANICALS 1624 MARKET STREET, SUITE: 202 PMB-91700 DENVER, CO 80202

200mg Ginger Lime Roll-On

Batch ID:	1959-3	Test ID:	1142927.013
Reported:	13-May-2019	Method:	Concentrate - Test Methods: TM05, TM06
Туре:	Concentrate		
Test:	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

<sup>\*</sup> CFU/g = Colony Forming Unit per Gram

Examples: 10^2 = 100 CFU

10^3 = 1,000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected Coliforms: None Detected

# **FINAL APPROVAL**

garniter

Jamie Bunker 13-May-2019 3:29 PM

i\_

David Green 13-May-2019 3:50 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Services, LLC.

<sup>\*\*</sup> Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.



Report Number: 2521973-0

Report Date: 20-Jun-2019

Report Status: Final

# **Certificate of Analysis**

RE BOTANICALS, INC.

Sample Name:	RELIEF BODY OIL GINGER LIME	Eurofins Sample:	8490379
Project ID	RE_BOTANIC-20190524-0006	Receipt Date	24-May-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	1959-3	Login Date	24-May-2019
Sample Serving Size		Date Started	24-May-2019
Analysis			Result
Metals Analysis by	y ICP-MS		
Arsenic			<0.0704 ppm
Cadmium			<0.0176 ppm
Lead			0.0366 ppm
Mercury			<0.00881 ppm
Multi-Residue Ana	llysis for hemp products - 60+ compounds		
Matrix Type - To I	Determine Limit of Quantification (LOQ)		High-Fat Food Matrices
Abamectin			<0.05 mg/kg
Aldicarb			<0.05 mg/kg
Aldicarb sulfone (	Aldoxycarb)		<0.05 mg/kg
Aldicarb sulfoxide	•		<0.05 mg/kg
Azoxystrobin			<0.05 mg/kg
Bifenazate			<0.05 mg/kg
Bifenthrin			<0.05 mg/kg
Carbaryl			<0.05 mg/kg
Carbofuran			<0.05 mg/kg
Carbofuran-3-hyd	Iroxy-		<0.05 mg/kg
Chlorantraniliprole	e		<0.05 mg/kg
Chlordane, cis-			<0.05 mg/kg
Chlordane, trans-			<0.05 mg/kg
Chlorfenapyr			<0.05 mg/kg
Chlorpyrifos			<0.05 mg/kg
Coumaphos			<0.05 mg/kg
Cyfluthrin			<0.05 mg/kg
Cypermethrin			<0.05 mg/kg
Cyproconazole (2	? diastereoisomers)		<0.05 mg/kg
Cyprodinil			<0.05 mg/kg
Dichlorvos			<0.05 mg/kg
Diclobutrazol			<0.05 mg/kg
Dipropetryn			<0.05 mg/kg
Disulfoton			<0.05 mg/kg

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PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	1959-3	Login Date	24-May-2019
Sample Serving Size		Date Started	24-May-2019

ample Serving Size	Date Started	24-May-2019
Analysis		Result
Multi-Residue Analysis for hemp products - 60+ compounds		
Endosulfan I (alpha-isomer)		<0.05 mg/kg
Endosulfan II (beta-isomer)		<0.05 mg/kg
Endosulfan sulfate		<0.05 mg/kg
Epoxiconazole		<0.05 mg/kg
Ethiofencarb		<0.05 mg/kg
Etofenprox		<0.05 mg/kg
Etoxazole		<0.05 mg/kg
Fenoxycarb		<0.05 mg/kg
Fenpropathrin		<0.05 mg/kg
Fenvalerate/Esfenvalerate (sum of isomers)		<0.05 mg/kg
Fipronil		<0.05 mg/kg
Fipronil desulfinyl		<0.05 mg/kg
Fipronil sulfone		<0.05 mg/kg
lmazalil		<0.05 mg/kg
Imidacloprid		<0.05 mg/kg
Malathion		<0.05 mg/kg
Methiocarb		<0.05 mg/kg
Methiocarb sulfone		<0.05 mg/kg
Methiocarb sulfoxide		<0.05 mg/kg
Methomyl		<0.05 mg/kg
Metolachlor		<0.05 mg/kg
Mevinphos (E- and Z-isomers)		<0.05 mg/kg
Myclobutanil		<0.05 mg/kg
Naled (Dibrom)		<0.05 mg/kg
Paclobutrazol		<0.05 mg/kg
Permethrin (sum of isomers)		<0.05 mg/kg
Propoxur		<0.05 mg/kg
Pyrethrum (total)		<0.50 mg/kg
Spinetoram (spinosyns J and L)		<0.05 mg/kg
Spinosad (spinosyns A and D)		<0.05 mg/kg
:	0 -	

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Project ID	RE_BOTANIC-20190524-0006	Receipt Date	24-May-2019
PO Number	CVD	Receipt Condition	Ambient temperature
Lot Number	1959-3	Login Date	24-May-2019
Sample Serving Size		Date Started	24-May-2019

Analysis	Result
Multi-Residue Analysis for hemp products - 60+ compounds	
Spirodiclofen	<0.05 mg/kg
Spiromesifen	<0.05 mg/kg
Spiromesifen enol	<0.05 mg/kg
Spirotetramat	<0.05 mg/kg
Spiroxamine (2 diastereoisomers)	<0.05 mg/kg
Tebuconazole	<0.05 mg/kg
Thiabendazole	<0.05 mg/kg
Thiabendazole-5-hydroxy-	<0.05 mg/kg
Thiacloprid	<0.05 mg/kg
Trifloxystrobin	<0.05 mg/kg

Method References Testing Location

#### Metals Analysis by ICP-MS (ICP\_MS\_B\_S)

Food Integrity Innovation-Boulder

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version.

#### Multi-Residue Analysis for hemp products - 60+ compounds (PEST\_HEMP)

Food Integ. Innovation-Greenfield

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

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Report Number:

Report Date: 20-Jun-2019

2521973-0

Report Status: Final

# **Certificate of Analysis**

RE BOTANICALS, INC.

### Testing Location(s)

### Released on Behalf of Eurofins by

#### Food Integrity Innovation-Boulder

Eurofins Food Chemistry Testing US, Inc. 2830 Wilderness PI Boulder CO 80301 800-675-8375



AT-1816

### Food Integ. Innovation-Greenfield

Eurofins Food Chemistry Testing US, Inc. 671 S. Meridian Road Greenfield IN 46140 800-675-8375 Karelyn Koehn - Manager

Ian Laessig - Manager





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These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins.

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