



51 W. Weldon Ave  
Phoenix, AZ  
(480) 788-6644  
www.desertvalleytesting.com

# Certificate of Analysis

ISO/IEC 17025:2017 Certificate #: AT-2837

License #: 00000003LCIN00627986

**Niko Russo**

License #: 00000078ESQG10647381  
51 W. Weldon  
Phoenix, AZ 85050  
(602) 269-0347

**Amended**

Additional Licenses:  
Batch #: F.LD221130.AD3; External Lot #:  
Source Batch #: F.LD221130.AD3  
Sample Batch Collection: 01/31/23 12:00  
Sample Received: 1/31/2023; Report Created: 2/8/2023

**LIME RUNTZ**

Laboratory Number: 2301144-03

LIME RUNTZ

Matrix: Concentrates

<b>Metals</b> PASS	<b>Pesticides</b> PASS	<b>Residual Solvents</b> PASS	<b>E. coli</b> PASS	<b>Mycotoxins</b> PASS	<b>Aspergillus</b> PASS	<b>Salmonella</b> PASS
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Sample Image



Residual Solvents (GC-MS) Analyzed: 02/02/23 By: KSG

SOP: 004	RL	ppm	Q
Propane	612.75	ND	
Butanes	612.75	ND	
Pentanes	142.16	ND	
Acetonitrile	200.98	ND	
Dichloromethane	294.12	ND	
Hexanes	142.16	ND	
Chloroform	29.41	ND	
n-Heptane	2451.0	ND	
Methanol	1470.6	ND	
Ethanol	2451.0	ND	
Diethyl Ether	2451.0	ND	
Acetone	490.20	ND	
Isopropanol	2451.0	ND	
Ethyl acetate	2451.0	ND	
Isopropyl acetate	2451.0	ND	
Benzene	0.98	ND	L1, M1, V1
Toluene	436.27	ND	
Xylenes	98.04	ND	

Cannabinoid (HPLC-DAD) Analyzed: 02/03/23 By: MLC

SOP: 003	LOQ %	%	mg/g	Q
THC-A	1.45	84.58	845.8	D1
delta 9-THC	0.05	1.00	10	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	1.80	18	
CBD-A	0.05	0.21	2.1	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	ND	ND	
CBG	0.05	0.96	9.6	
CBC	0.05	ND	ND	

Metals (ICP-MS) Analyzed: 02/06/23 By: ZEN

SOP: 035	RL	ppm	Q
Arsenic	0.104	ND	M2, V1
Cadmium	0.104	ND	M2, V1
Lead	0.261	ND	M2, V1
Mercury	0.104	ND	L1, V1

Microbials (Petrifilm) Analyzed: 2/3/2023 By: ATF

SOP: 023	RL	Result	Units	Q
E. coli	10	<10	cfu/g	

Microbials (PCR) Analyzed: 2/3/2023 By: ATF

SOP: 015	RL	Result	Units	Q
Aspergillus	1.00	Not Detected	per gram	

Microbials (PCR) Analyzed: 2/7/2023 By: ATF

SOP: 028	RL	Result	Units	Q
Salmonella	1.00	Not Detected	per gram	

75.18 % 751.77 mg/g <b>Total THC</b>	0.19 % 1.84 mg/g <b>Total CBD</b>	88.55 % 885.50 mg/g <b>Total Cannabinoids</b>
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Total THC = THCa \* 0.877 + delta 9-THC; Total CBD = CBDa \* 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyzed: 02/04/23 By: SPS

SOP: 011	RL	ppb	Q
Aflatoxins	9.36	ND	
Ochratoxins	9.36	ND	

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LOQ = Limit of Quantitation

Erin Polly  
Technical Laboratory Director



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Pesticides (LC-MS/MS) Analyzed: 02/04/23 By: SPS							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.187	ND		Acequinocyl	0.936	ND	
Acetamiprid	0.094	ND		Aldicarb	0.187	ND	
Azoxystrobin	0.094	ND		Bifenthrin	0.094	ND	
Boscalid	0.187	ND		Carbaryl	0.094	ND	
Carbofuran	0.094	ND		Chlorpyrifos	0.094	ND	
Diazinon	0.094	ND	M2	Dimethoate	0.094	ND	
Ethoprophos	0.094	ND	M2	Etofenprox	0.187	ND	
Etoxazole	0.094	ND	M2	Fenoxycarb	0.094	ND	
Fenpyroximate E	0.187	ND		Fonicamid	0.468	ND	
Fludioxonil	0.187	ND		Hexythiazox	0.468	ND	
Imazalil	0.094	ND		Imidacloprid	0.187	ND	
Kresoxim-methyl	0.187	ND	M2	Malathion	0.094	ND	
Metalaxyl	0.094	ND		Methiocarb	0.094	ND	
Methomyl	0.187	ND		Myclobutanil	0.094	ND	
Naled	0.234	ND		Oxamyl	0.468	ND	
Piperonyl butoxide	0.936	ND		Propiconazole	0.187	ND	M1
Propoxure	0.094	ND		Spiromesifen	0.094	ND	
Spirotetramat	0.094	ND		Spiroxamine	0.187	ND	
Tebuconazole	0.187	ND		Thiacloprid	0.094	ND	
Thiamethoxam	0.094	ND		Trifloxystrobin	0.094	ND	M2
Abamectin	0.234	ND	V1	Bifenazate	0.094	ND	
Chlorantraniliprole	0.094	ND		Clofentezine	0.094	ND	
Cyfluthrin	0.936	ND		Cypermethrin	0.468	ND	
Daminozide	0.468	ND		DDVP (Dichlorvos)	0.047	ND	
Fipronil	0.187	ND		Paclobutrazol	0.187	ND	
Permethrins	0.094	ND	M2	Phosmet	0.094	ND	
Prallethrin	0.094	ND		Pyrethrins	0.468	ND	M1
Pyridaben	0.094	ND		Spinosad	0.094	ND	M2
Chlorfenapyr	0.936	ND					

Herbicides (LC-MS/MS) Analyzed: By:			
SOP: 011	RL	ppm	Q
Pendimethalin	NT	NT	

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Microbials (Petrifilm) Analyzed: By:				
SOP: 006	RL	Result	Units	Q
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	

Terpenes (GC-MS) Analyzed: By:			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	NT	NT	
(-)-Borneol and (+)-Borneol	NT	NT	
Camphene	NT	NT	
Camphor	NT	NT	
beta-Caryophyllene	NT	NT	
trans-Caryophyllene	NT	NT	
Caryophyllene Oxide	NT	NT	
alpha-Cedrene	NT	NT	
Cedrol	NT	NT	
Endo-fenchyl Alcohol	NT	NT	
Eucalyptol	NT	NT	
Fenchone	NT	NT	
Geraniol	NT	NT	
Geranyl acetate	NT	NT	
Guaiol	NT	NT	
Hexahydrothymol	NT	NT	
alpha-Humulene	NT	NT	
Isoborneol	NT	NT	
Isopulegol	NT	NT	
Limonene	NT	NT	
Linalool	NT	NT	
p-Mentha-1,5-diene	NT	NT	
beta-Myrcene	NT	NT	
trans-Nerolidol	NT	NT	
Ocimene	NT	NT	
alpha-Pinene	NT	NT	
beta-Pinene	NT	NT	
Pulegone	NT	NT	
Sabinene	NT	NT	
Sabinene Hydrate	NT	NT	
gamma-Terpinene	NT	NT	
alpha-Terpinene	NT	NT	
3-Carene	NT	NT	
Terpineol	NT	NT	
Terpinolene	NT	NT	
Valencene	NT	NT	
Nerol	NT	NT	
cis-Nerolidol	NT	NT	
<b>Total Terpenes</b>	NT	NT	

Water Activity (Water Activity Meter) Analyzed: By:			
SOP: 007	AW, 25 °C		Q
Water Activity		NT	

Moisture (Moisture Analyzer) Analyzed: By:			
SOP: 008	%		Q
Percent Moisture		NT	

pH Test (pH Meter) Analyzed: By:			
SOP: 022	NA		Q
pH		NT	

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### QUALIFIER DEFINITIONS

- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- V1 Continuing Calibration Verification (CCV) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

### CASE NARRATIVE

Amended - Batch number updated.

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