



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 #: 0000078ESQG10647381  
51 W. Weldon  
Phoenix, AZ 85050  
(602) 269-0347

Additional Licenses:  
Batch #: F.LD221130.AD4; External Lot #:  
Source Batch #: F.LD221130.AD4  
Sample Batch Collection: 08/31/23 12:00  
Sample Received: 8/31/2023; Report Created: 9/8/2023

LIME DOG OG

Laboratory Number: 2301144-02

LIME DOG OG

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	676.41	ND	
Butanes	676.41	ND	
Pentanes	156.93	ND	
Acetonitrile	221.86	ND	
Dichloromethane	324.68	ND	
Hexanes	156.93	ND	
Chloroform	32.47	ND	
n-Heptane	2705.6	ND	
Methanol	1623.4	ND	
Ethanol	2705.6	ND	
Diethyl Ether	2705.6	ND	
Acetone	541.13	ND	
Isopropanol	2705.6	ND	
Ethyl acetate	2705.6	ND	
Isopropyl acetate	2705.6	ND	
Benzene	1.08	ND	L1, M1, V1
Toluene	481.60	ND	
Xylenes	108.23	ND	

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

SOP: 003	LOQ %	%	mg/g	Q
THC-A	1.43	85.86	858.6	D1
delta 9-THC	0.05	1.11	11	
delta 8-THC	0.05	ND	ND	
THC-V	0.05	ND	ND	
CBG-A	0.05	1.77	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	0.92	9.2	
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	0.260	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	

76.41 % 763.99 mg/g <b>Total THC</b>	0.18 % 1.84 mg/g <b>Total CBD</b>	89.87 % 898.90 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	10.7	ND	
Ochratoxins	10.7	ND	

RL = Reporting Limit  
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ND = Non Detected  
LOQ = Limit of Quantitation

Erin Polly  
Technical Laboratory Director



Testing results were obtained according to requirements in the quality assurance plan in R9-17-404.05, in the applicable standard operating procedure, and in R9-17-404.03 or R9-17-404.04. Any variances from these requirements, and the reason for the variance, will be documented in the case narrative. Values reported only relate to the product tested. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full without the written approval of Desert Valley Testing.



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Pesticides (LC-MS/MS) Analyzed: 02/04/23 By: SPS							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.214	ND		Acequinocyl	1.07	ND	
Acetamiprid	0.107	ND		Aldicarb	0.214	ND	
Azoxystrobin	0.107	ND		Bifenthrin	0.107	ND	
Boscalid	0.214	ND		Carbaryl	0.107	ND	
Carbofuran	0.107	ND		Chlorpyrifos	0.107	ND	
Diazinon	0.107	ND	M2	Dimethoate	0.107	ND	
Ethoprophos	0.107	ND	M2	Etofenprox	0.214	ND	
Etoazole	0.107	ND	M2	Fenoxycarb	0.107	ND	
Fenpyroximate E	0.214	ND		Fonicamid	0.535	ND	
Fludioxonil	0.214	ND		Hexythiazox	0.535	ND	
Imazalil	0.107	ND		Imidacloprid	0.214	ND	
Kresoxim-methyl	0.214	ND	M2	Malathion	0.107	ND	
Metalaxyl	0.107	ND		Methiocarb	0.107	ND	
Methomyl	0.214	ND		Myclobutanil	0.107	ND	
Naled	0.267	ND		Oxamyl	0.535	ND	
Piperonyl butoxide	1.07	ND		Propiconazole	0.214	ND	M1
Propoxure	0.107	ND		Spiromesifen	0.107	ND	
Spirotetramat	0.107	ND		Spiroxamine	0.214	ND	
Tebuconazole	0.214	ND		Thiacloprid	0.107	ND	
Thiamethoxam	0.107	ND		Trifloxystrobin	0.107	ND	M2
Abamectin	0.267	ND	V1	Bifenazate	0.107	ND	
Chlorantraniliprole	0.107	ND		Clofentezine	0.107	ND	
Cyfluthrin	1.07	ND		Cypermethrin	0.535	ND	
Daminozide	0.535	ND		DDVP (Dichlorvos)	0.053	ND	
Fipronil	0.214	ND		Paclobutrazol	0.214	ND	
Permethrins	0.107	ND	M2	Phosmet	0.107	ND	
Prallethrin	0.107	ND		Pyrethrins	0.535	ND	M1
Pyridaben	0.107	ND		Spinosad	0.107	ND	M2
Chlorfenapyr	1.07	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**

RL = Reporting Limit  
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 LOQ = Limit of Quantitation



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