



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

# Certificate of Analysis

ISO/IEC 17025:2017 Certificate #: AT-2837  
License #: 00000003LCIN00627986

## K.I.N.D. Concentrates

License #: 00000086DCKR00375578  
1225 S 48th Street  
Tempe, AZ 85281  
14802312346

Additional Licenses:  
Batch #: 230420-004; External Lot #:  
Source Batch #:  
Sample Batch Collection: 04/20/23 13:00  
Sample Received: 4/21/2023; Report Created: 4/28/2023

### K.I.N.D. Resin Cartridge - Northern Lights (I)

Laboratory Number: 2304063-14

Northern Lights

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: 04/25/23 By: ZEN

SOP: 004	RL	ppm	Q
Propane	630.68	ND	
Butanes	630.68	ND	
Pentanes	146.32	ND	
Acetonitrile	206.86	ND	
Dichloromethane	302.72	ND	
Hexanes	146.32	ND	
Chloroform	30.27	ND	
n-Heptane	2522.7	ND	
Methanol	1513.6	ND	
Ethanol	2522.7	ND	
Diethyl Ether	2522.7	ND	
Acetone	504.54	ND	
Isopropanol	2522.7	ND	
Ethyl acetate	2522.7	ND	
Isopropyl acetate	2522.7	ND	
Benzene	1.01	ND	
Toluene	449.04	ND	
Xylenes	100.91	ND	

#### Cannabinoid (HPLC-DAD) Analyzed: 04/25/23 By: EGP

SOP: 003	LOQ %	%	mg/g	Q
THC-A	0.05	ND	ND	
delta 9-THC	1.42	74.88	748.8	D1
delta 8-THC	0.05	ND	ND	
THC-V	0.05	0.48	4.8	
CBG-A	0.05	ND	ND	
CBD-A	0.05	ND	ND	
CBD	0.05	0.25	2.5	
CBD-V	0.05	ND	ND	
CBN	0.05	0.50	5.0	
CBG	0.05	2.19	22	
CBC	0.05	0.62	6.2	

#### Metals (ICP-MS) Analyzed: 04/25/23 By: MLC

SOP: 035	RL	ppm	Q
Arsenic	0.098	ND	
Cadmium	0.098	ND	
Lead	0.244	ND	
Mercury	0.098	ND	

#### Microbials (Petrifilm) Analyzed: 4/26/2023 By: ATF

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

#### Microbials (PCR) Analyzed: 4/28/2023 By: SPS

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

#### Microbials (PCR) Analyzed: 4/27/2023 By: ATF

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

74.88 % 748.80 mg/g <b>Total THC</b>	0.25 % 2.50 mg/g <b>Total CBD</b>	78.92 % 789.30 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: 04/27/23 By: KSG

SOP: 011	RL	ppb	Q
Aflatoxins	10.5	ND	V1
Ochratoxins	10.5	ND	

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Erin Polly  
Technical Laboratory Director



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Northern Lights

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Matrix: Concentrates

Pesticides (LC-MS/MS) Analyzed: 04/27/23 By: KSG							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.210	ND		Acequinocyl	1.05	ND	V1
Acetamiprid	0.105	ND		Aldicarb	0.210	ND	
Azoxystrobin	0.105	ND		Bifenthrin	0.105	ND	
Boscalid	0.210	ND		Carbaryl	0.105	ND	
Carbofuran	0.105	ND		Chlorpyrifos	0.105	ND	
Diazinon	0.105	ND		Dimethoate	0.105	ND	
Ethoprophos	0.105	ND		Etofenprox	0.210	ND	
Etoxazole	0.105	ND		Fenoxycarb	0.105	ND	
Fenpyroximate E	0.210	ND		Fonicamid	0.524	ND	
Fludioxonil	0.210	ND		Hexythiazox	0.524	ND	
Imazalil	0.105	ND		Imidacloprid	0.210	ND	
Kresoxim-methyl	0.210	ND		Malathion	0.105	ND	
Metalaxyl	0.105	ND		Methiocarb	0.105	ND	
Methomyl	0.210	ND		Myclobutanil	0.105	ND	
Naled	0.262	ND		Oxamyl	0.524	ND	
Piperonyl butoxide	1.05	ND		Propiconazole	0.210	ND	
Propoxure	0.105	ND	V1	Spiromesifen	0.105	ND	
Spirotetramat	0.105	ND		Spiroxamine	0.210	ND	
Tebuconazole	0.210	ND		Thiacloprid	0.105	ND	
Thiamethoxam	0.105	ND		Trifloxystrobin	0.105	ND	
Abamectin	0.262	ND		Bifenazate	0.105	ND	
Chlorantraniliprole	0.105	ND		Clofentezine	0.105	ND	
Cyfluthrin	1.05	ND		Cypermethrin	0.524	ND	
Daminozide	0.524	ND	N1	DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.210	ND		Paclobutrazol	0.210	ND	
Permethrins	0.105	ND		Phosmet	0.105	ND	
Prallethrin	0.105	ND		Pyrethrins	0.524	ND	
Pyridaben	0.105	ND		Spinosad	0.105	ND	
Chlorfenapyr	1.05	ND					

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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.
- N1 Variance from ADHS requirements; see description in case narrative.
- 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**

N1 - The recovery from initial calibration verification standard exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample (Daminozide)

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