



**Obelisk/Achieve**

License #: 1615490FACF133205187  
1039 E. Carefree Hwy  
Phoenix, AZ 85085  
(602) 224-5999

Additional Licenses:  
Batch #: KR0037; External Lot #:  
Source Batch #:  
Sample Batch Collection: 03/07/23 16:00  
Sample Received: 3/7/2023; Report Created: 3/14/2023

**Kush Runtz RSO**

Laboratory Number: 2303030-02  
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: 03/13/23 By: KSG**

SOP: 004	RL	ppm	Q
Propane	585.75	ND	
Butanes	585.75	ND	
Pentanes	135.90	ND	
Acetonitrile	192.13	ND	
Dichloromethane	281.16	ND	
Hexanes	135.90	ND	
Chloroform	28.12	ND	
n-Heptane	2343.0	ND	
Methanol	1405.8	ND	
Ethanol	2343.0	ND	
Diethyl Ether	2343.0	ND	
Acetone	468.60	ND	
Isopropanol	2343.0	ND	
Ethyl acetate	2343.0	ND	
Isopropyl acetate	2343.0	ND	
Benzene	0.94	ND	
Toluene	417.06	ND	
Xylenes	93.72	ND	

**Cannabinoid (HPLC-DAD) Analyzed: 03/10/23 By: SPS**

SOP: 003	LOQ %	%	mg/g	Q
THC-A	0.05	ND	ND	
delta 9-THC	1.59	62.65	626.5	D1
delta 8-THC	0.05	ND	ND	
THC-V	0.05	0.85	8.5	
CBG-A	0.05	ND	ND	
CBD-A	0.05	ND	ND	
CBD	0.05	0.18	1.8	
CBD-V	0.05	ND	ND	
CBN	0.05	2.45	25	
CBG	0.05	2.61	26	
CBC	0.05	0.79	7.9	

**Metals (ICP-MS) Analyzed: 03/13/23 By: MLC**

SOP: 035	RL	ppm	Q
Arsenic	0.098	ND	
Cadmium	0.098	ND	
Lead	0.245	ND	
Mercury	0.098	ND	

**Microbials (Petrifilm) Analyzed: 3/10/2023 By: OMS**

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

**Microbials (PCR) Analyzed: 3/10/2023 By: ATF**

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

**Microbials (PCR) Analyzed: 3/14/2023 By: ATF**

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

62.65 % 626.50 mg/g <b>Total THC</b>	0.18 % 1.80 mg/g <b>Total CBD</b>	69.53 % 695.70 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: 03/13/23 By: KSG**

SOP: 011	RL	ppb	Q
Aflatoxins	10.6	ND	
Ochratoxins	10.6	ND	

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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.



51 W. Weldon Ave  
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**Certificate of Analysis**  
ISO/IEC 17025:2017 Certificate #: AT-2837  
License #: 00000003LCIN00627986

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Pesticides (LC-MS/MS) Analyzed: 03/13/23 By: KSG							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.213	ND		Acequinocyl	1.06	ND	
Acetamiprid	0.106	ND		Aldicarb	0.213	ND	
Azoxystrobin	0.106	ND		Bifenthrin	0.106	ND	
Boscalid	0.213	ND		Carbaryl	0.106	ND	
Carbofuran	0.106	ND		Chlorpyrifos	0.106	ND	
Diazinon	0.106	ND		Dimethoate	0.106	ND	
Ethoprophos	0.106	ND		Etofenprox	0.213	ND	
Etoxazole	0.106	ND		Fenoxycarb	0.106	ND	
Fenpyroximate E	0.213	ND		Fonicamid	0.532	ND	
Fludioxonil	0.213	ND		Hexythiazox	0.532	ND	
Imazalil	0.106	ND		Imidacloprid	0.213	ND	
Kresoxim-methyl	0.213	ND		Malathion	0.106	ND	
Metalaxyl	0.106	ND		Methiocarb	0.106	ND	
Methomyl	0.213	ND		Myclobutanil	0.106	ND	
Naled	0.266	ND		Oxamyl	0.532	ND	
Piperonyl butoxide	1.06	ND		Propiconazole	0.213	ND	
Propoxure	0.106	ND		Spiromesifen	0.106	ND	
Spirotetramat	0.106	ND		Spiroxamine	0.213	ND	
Tebuconazole	0.213	ND		Thiacloprid	0.106	ND	
Thiamethoxam	0.106	ND		Trifloxystrobin	0.106	ND	
Abamectin	0.266	ND		Bifenazate	0.106	ND	
Chlorantraniliprole	0.106	ND		Clofentezine	0.106	ND	
Cyfluthrin	1.06	ND		Cypermethrin	0.532	ND	
Daminozide	0.532	ND		DDVP (Dichlorvos)	0.053	ND	
Fipronil	0.213	ND		Paclobutrazol	0.213	ND	
Permethrins	0.106	ND		Phosmet	0.106	ND	
Prallethrin	0.106	ND		Pyrethrins	0.532	ND	M2
Pyridaben	0.106	ND		Spinosad	0.106	ND	
Chlorfenapyr	1.06	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: 03/10/23 By: MLC			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	3.2	0.32	
(-)-Borneol and (+)-Borneol	ND	ND	
Camphene	ND	ND	
Camphor	ND	ND	
beta-Caryophyllene	ND	ND	
trans-Caryophyllene	5.4	0.54	
Caryophyllene Oxide	ND	ND	
alpha-Cedrene	ND	ND	
Cedrol	ND	ND	
Endo-fenchyl Alcohol	ND	ND	
Eucalyptol	ND	ND	
Fenchone	ND	ND	
Geraniol	ND	ND	
Geranyl acetate	ND	ND	
Guaiol	ND	ND	
Hexahydrothymol	ND	ND	
alpha-Humulene	3.1	0.31	
Isoborneol	ND	ND	
Isopulegol	ND	ND	
Limonene	1.2	0.12	
Linalool	1.4	0.14	
p-Mentha-1,5-diene	ND	ND	
beta-Myrcene	2.4	0.24	
trans-Nerolidol	ND	ND	
Ocimene	ND	ND	
alpha-Pinene	ND	ND	
beta-Pinene	ND	ND	
Pulegone	ND	ND	
Sabinene	ND	ND	
Sabinene Hydrate	ND	ND	
gamma-Terpinene	ND	ND	
alpha-Terpinene	ND	ND	
3-Carene	ND	ND	
Terpineol	1.6	0.16	
Terpinolene	ND	ND	
Valencene	ND	ND	
Nerol	ND	ND	
cis-Nerolidol	ND	ND	
<b>Total Terpenes</b>	<b>18.30</b>	<b>1.83</b>	

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.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.

### CASE NARRATIVE

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