



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

Certificate of Analysis

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

Obelisk/Achieve

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

Additional Licenses:
Batch #: 0Z073022; External Lot #:
Source Batch #:
Sample Batch Collection: 05/08/23 16:00
Sample Received: 5/9/2023; Report Created: 5/18/2023

Oreoz RSO Bulk

Laboratory Number: 2305023-01

Oreoz RSO Bulk

Matrix: Concentrates

Metals PASS	Pesticides PASS	Residual Solvents PASS	E. coli PASS	Mycotoxins PASS	Aspergillus PASS	Salmonella PASS
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Sample Image



Residual Solvents (GC-MS) Analyzed: 05/10/23 By: ZEN

SOP: 004	RL	ppm	Q
Propane	632.59	ND	R1
Butanes	632.59	ND	R1
Pentanes	146.76	ND	
Acetonitrile	207.49	ND	
Dichloromethane	303.64	ND	
Hexanes	146.76	ND	
Chloroform	30.36	ND	
n-Heptane	2530.4	ND	
Methanol	1518.2	ND	
Ethanol	2530.4	ND	
Diethyl Ether	2530.4	ND	
Acetone	506.07	ND	
Isopropanol	2530.4	ND	
Ethyl acetate	2530.4	ND	
Isopropyl acetate	2530.4	ND	
Benzene	1.01	ND	
Toluene	450.40	ND	
Xylenes	101.21	ND	

Cannabinoid (HPLC-DAD) Analyzed: 05/10/23 By: EGP

SOP: 003	LOQ %	%	mg/g	Q
THC-A	0.05	ND	ND	
delta 9-THC	1.67	67.68	676.8	D1
delta 8-THC	0.05	ND	ND	
THC-V	0.05	3.01	30	
CBG-A	0.05	0.23	2.3	
CBD-A	0.05	0.20	2.0	
CBD	0.05	0.19	1.9	
CBD-V	0.05	ND	ND	
CBN	0.05	0.40	4.0	
CBG	0.05	1.04	10	
CBC	0.05	1.15	12	

Metals (ICP-MS) Analyzed: 05/08/23 By: EGP

SOP: 035	RL	ppm	Q
Arsenic	0.098	ND	
Cadmium	0.098	ND	
Lead	0.246	ND	
Mercury	0.098	ND	

Microbials (Petrifilm) Analyzed: 5/11/2023 By: ATF

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

Microbials (PCR) Analyzed: 5/12/2023 By: SPS

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

Microbials (PCR) Analyzed: 5/11/2023 By: SPS

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

67.68 % 676.80 mg/g Total THC	0.37 % 3.65 mg/g Total CBD	73.90 % 739.00 mg/g Total Cannabinoids
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Total THC = THC_a * 0.877 + delta 9-THC; Total CBD = CBD_a * 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyzed: 05/10/23 By: KSG

SOP: 011	RL	ppb	Q
Aflatoxins	10.3	ND	
Ochratoxins	10.3	ND	L1, M1, N1

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: 05/10/23 By: KSG							
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.207	ND		Acequinocyl	1.03	ND	
Acetamiprid	0.103	ND		Aldicarb	0.207	ND	
Azoxystrobin	0.103	ND		Bifenthrin	0.103	ND	
Boscalid	0.207	ND		Carbaryl	0.103	ND	
Carbofuran	0.103	ND		Chlorpyrifos	0.103	ND	
Diazinon	0.103	ND		Dimethoate	0.103	ND	
Ethoprophos	0.103	ND		Etofenprox	0.207	ND	
Etoxazole	0.103	ND		Fenoxycarb	0.103	ND	
Fenpyroximate E	0.207	ND		Fonicamid	0.517	ND	
Fludioxonil	0.207	ND		Hexythiazox	0.517	ND	M2
Imazalil	0.103	ND		Imidacloprid	0.207	ND	
Kresoxim-methyl	0.207	ND		Malathion	0.103	ND	
Metalaxyl	0.103	ND		Methiocarb	0.103	ND	
Methomyl	0.207	ND		Myclobutanil	0.103	ND	
Naled	0.258	ND		Oxamyl	0.517	ND	
Piperonyl butoxide	1.03	ND		Propiconazole	0.207	ND	
Propoxure	0.103	ND		Spiromesifen	0.103	ND	
Spirotetramat	0.103	ND	R1	Spiroxamine	0.207	ND	
Tebuconazole	0.207	ND		Thiacloprid	0.103	ND	
Thiamethoxam	0.103	ND		Trifloxystrobin	0.103	ND	
Abamectin	0.258	ND		Bifenazate	0.103	ND	
Chlorantraniliprole	0.103	ND		Clofentezine	0.103	ND	
Cyfluthrin	1.03	ND		Cypermethrin	0.517	ND	
Daminozide	0.517	ND		DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.207	ND		Paclobutrazol	0.207	ND	R1
Permethrins	0.103	ND		Phosmet	0.103	ND	
Prallethrin	0.103	ND		Pyrethrins	0.517	ND	M2, V1
Pyridaben	0.103	ND		Spinosad	0.103	ND	
Chlorfenapyr	1.03	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: 05/18/23 By: MLC			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	ND	ND	
(-)-Borneol and (+)-Borneol	NT	NT	
Camphene	3.0	0.30	
Camphor	NT	NT	
beta-Caryophyllene	14	1.38	
trans-Caryophyllene	NT	NT	
Caryophyllene Oxide	ND	ND	
alpha-Cedrene	NT	NT	
Cedrol	NT	NT	
Endo-fenchyl Alcohol	NT	NT	
Eucalyptol	ND	ND	
Fenchone	NT	NT	
Geraniol	ND	ND	
Geranyl acetate	NT	NT	
Guaiol	ND	ND	
Hexahydrothymol	NT	NT	
alpha-Humulene	7.7	0.77	
Isoborneol	NT	NT	
Isopulegol	ND	ND	
Limonene	7.6	0.76	
Linalool	4.9	0.49	
p-Mentha-1,5-diene	NT	NT	
beta-Myrcene	2.9	0.29	
trans-Nerolidol	ND	ND	
Ocimene	ND	ND	
alpha-Pinene	3.2	0.32	
beta-Pinene	3.6	0.36	
Pulegone	NT	NT	
Sabinene	NT	NT	
Sabinene Hydrate	NT	NT	
gamma-Terpinene	ND	ND	
alpha-Terpinene	ND	ND	
3-Carene	ND	ND	
Terpineol	NT	NT	
Terpinolene	2.9	0.29	
Valencene	NT	NT	
Nerol	NT	NT	
cis-Nerolidol	6.8	0.68	
Total Terpenes	56.40	5.64	

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.
- N1 Variance from ADHS requirements; see description in case narrative.
- R1 The relative percent difference (RPD) for the laboratory control sample and duplicate is more than 20%, but the percent recovery for the laboratory control sample and duplicate is 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

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 (Ochratoxin)

Sample was tested for terpenes at Delta Verde Laboratory .

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