



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

Certificate of Analysis

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

License #: 00000003LCIN00627986

Pinal County Wellness Center

License #: 0000020DCGM00200033
8970 N. 91st Ave
Phoenix, AZ 85345
(480) 341-0342

Additional Licenses:
Batch #: GMF300 (110122MIX); External Lot #:
Source Batch #:
Sample Batch Collection: 03/17/23 14:25
Sample Received: 3/17/2023; Report Created: 3/28/2023

Sir Newtons Mixed Flavor Gummies 300mg
110122MIX

Laboratory Number: 2303066-33
Matrix: Ingestible

Metals PASS	Pesticides PASS	Residual Solvents PASS	E. coli PASS	Mycotoxins PASS	Aspergillus Not Tested	Salmonella PASS
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Sample Image



Residual Solvents (GC-MS) Analyzed: 03/23/23 By: ZEN

SOP: 004	RL	ppm	Q
Propane	600.38	ND	
Butanes	600.38	ND	
Pentanes	139.29	ND	
Acetonitrile	196.93	ND	
Dichloromethane	288.18	ND	
Hexanes	139.29	ND	
Chloroform	28.82	ND	
n-Heptane	2401.5	ND	
Methanol	1440.9	ND	
Ethanol	2401.5	ND	
Diethyl Ether	2401.5	ND	
Acetone	480.31	ND	
Isopropanol	2401.5	ND	
Ethyl acetate	2401.5	ND	
Isopropyl acetate	2401.5	ND	
Benzene	0.96	ND	
Toluene	427.47	ND	
Xylenes	96.06	ND	

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

SOP: 003	LOQ %	mg/g	mg/unit	%	Q
THC-A	0.01033	ND	ND	ND	
delta 9-THC	0.01033	4.3609	283.46	0.43609	
delta 8-THC	0.01033	ND	ND	ND	
THC-V	0.01033	ND	ND	ND	
CBG-A	0.01033	ND	ND	ND	
CBD-A	0.01033	ND	ND	ND	
CBD	0.01033	ND	ND	ND	
CBD-V	0.01033	ND	ND	ND	
CBN	0.01033	ND	ND	ND	
CBG	0.01033	0.1551	10.08	0.01551	
CBC	0.01033	ND	ND	ND	

Metals (ICP-MS) Analyzed: 03/22/23 By: MLC

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

Microbials (Petrifilm) Analyzed: 3/22/2023 By: OMS

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

Microbials (PCR) Analyzed: By:

SOP: 015	RL	Result	Units	Q
Aspergillus	NT	NT	per gram	

Microbials (PCR) Analyzed: 3/23/2023 By: ATF

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

4.3609 mg/g 283.46 mg/unit 0.43609 % Total THC	0.0000 mg/g 0.00 mg/unit 0.00000 % Total CBD	4.5160 mg/g 293.54 mg/unit 0.45160% Total Cannabinoids
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Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyzed: 03/24/23 By: KSG

SOP: 011	RL	ppb	Q
Aflatoxins	9.43	ND	
Ochratoxins	9.43	ND	

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Erin Polly
Technical Laboratory Director



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Pesticides (LC-MS/MS) Analyzed: 03/22/23 By: KSG							
SOP: 011	RL	ppm	Q	RL	ppm	Q	
Acephate	0.189	ND		Acequinocyl	0.943	ND	
Acetamiprid	0.094	ND		Aldicarb	0.189	ND	
Azoxystrobin	0.094	ND		Bifenthrin	0.094	ND	
Boscalid	0.189	ND		Carbaryl	0.094	ND	
Carbofuran	0.094	ND		Chlorpyrifos	0.094	ND	
Diazinon	0.094	ND		Dimethoate	0.094	ND	
Ethoprophos	0.094	ND		Etofenprox	0.189	ND	
Etoxazole	0.094	ND		Fenoxycarb	0.094	ND	
Fenpyroximate E	0.189	ND		Fonicamid	0.471	ND	
Fludioxonil	0.189	ND		Hexythiazox	0.471	ND	
Imazalil	0.094	ND		Imidacloprid	0.189	ND	
Kresoxim-methyl	0.189	ND		Malathion	0.094	ND	
Metalaxyl	0.094	ND		Methiocarb	0.094	ND	
Methomyl	0.189	ND		Myclobutanil	0.094	ND	R1
Naled	0.236	ND		Oxamyl	0.471	ND	
Piperonyl butoxide	0.943	ND		Propiconazole	0.189	ND	
Propoxure	0.094	ND		Spiromesifen	0.094	ND	
Spirotetramat	0.094	ND		Spiroxamine	0.189	ND	
Tebuconazole	0.189	ND		Thiacloprid	0.094	ND	
Thiamethoxam	0.094	ND		Trifloxystrobin	0.094	ND	
Abamectin	0.236	ND		Bifenazate	0.094	ND	
Chlorantraniliprole	0.094	ND		Clofentezine	0.094	ND	
Cyfluthrin	0.943	ND		Cypermethrin	0.471	ND	
Daminozide	0.471	ND		DDVP (Dichlorvos)	0.047	ND	
Fipronil	0.189	ND		Paclobutrazol	0.189	ND	
Permethrins	0.094	ND		Phosmet	0.094	ND	
Prallethrin	0.094	ND		Pyrethrins	0.471	ND	
Pyridaben	0.094	ND		Spinosad	0.094	ND	
Chlorfenapyr	0.943	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	
Total Terpenes	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

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.

CASE NARRATIVE

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