

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

Halo Infusions and Extractions

License #: 0000153ESTXW47689762 4585 S Palo Verde Rd Ste. 405 Tucson, AZ 85714 520-349-9755 Additional Licenses:
Batch #: 090623IPOL; External Lot #: 051423-IPO.BASE/DS221205H
Source Batch #: 051423-IPO.BASE/DS221205H
Sample Batch Collection: 09/08/23 10:24
Sample Received: 9/8/2023; Report Created: 9/15/2023

Laboratory Number: 2309020-04

Pain Relief Ointment (4oz) [7g]

Indica Blend

Metals
Not Tested

Pesticides
Not Tested

Residual Solvents Not Tested

E. coli PASS

Mycotoxins
Not Tested

Aspergillus
Not Tested

Salmonella

Matrix: Topical

	2309020-04 9/8/23	
01	Pain Relief	
	Ointment BROAD SPECTRUM	
	CANNABINOID THEMAS	

Sample Image

	Cannabinoid (HPLC-DA	D) Analyze	d: 09/14/23 By	y: MLC	
SOP: 003	LOQ %	mg/g	mg/unit	%	Q
THC-A	0.02	3.0	336	0.30	D1
delta 9-THC	0.02	3.1	347.2	0.31	D1
delta 8-THC	0.002	ND	ND	ND	
THC-V	0.002	0.0	3.360	0.003	
CBG-A	0.002	0.3	33.60	0.03	
CBD-A	0.002	0.0	2.240	0.002	
CBD	0.002	ND	ND	ND	
CBD-V	0.002	ND	ND	ND	
CBN	0.002	ND	ND	ND	
CBG	0.002	0.1	11.20	0.01	
CBC	0.002	0.1	11.20	0.01	
delta 8 THC-V	0.002	ND	ND	ND	

5.73 mg/g 641.87 mg/unit 0.57 % Total THC

0.02 mg/g 1.96 mg/unit 0.00 %

Total CBD

6.60 mg/g 744.80 mg/unit 0.67% Total Cannabinoids

Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

Total Title Titlea Clott acitae Cities	o, .o.a. obb	0224 0.0	555		
Mycotoxins (LC-MS/MS) Analyzed: By:					
SOP: 011	RL	ppb	Q		
Aflatoxins	NT	NT			
Ochratoxins	NT	NT			

Not Tested	Not Te	ested	PA	SS
Residual Solvents (G	C-MS) Analyze	ed: By:		
SOP: 004		RL	ppm	Q
Propane		NT	NT	
Butanes		NT	NT	
Pentanes		NT	NT	
Acetonitrile		NT	NT	

Pentanes	IVI	IN I	
Acetonitrile	NT	NT	
Dichloromethane	NT	NT	
Hexanes	NT	NT	
Chloroform	NT	NT	
n-Heptane	NT	NT	
Methanol	NT	NT	
Ethanol	NT	NT	
Diethyl Ether	NT	NT	
Acetone	NT	NT	
Isopropanol	NT	NT	
Ethyl acetate	NT	NT	
Isopropyl acetate	NT	NT	
Benzene	NT	NT	
Toluene	NT	NT	
Xylenes	NT	NT	
Metals (ICP-MS) Analyzed: By	':		

Metals (ICP-MS) Analyzed: By:			
SOP: 035	RL	ppm	Q
Arsenic	NT	NT	
Cadmium	NT	NT	
Lead	NT	NT	
Mercury	NT	NT	

Microbials (Petrifilm) Analyzed: 9/14/2023 By: TAM						
SOP: 023	RL	Result	Units	Q		
E. coli	10	<10	cfu/g			
Microbials (PCR) Analyzed: By:						
SOP:	RL	Result	Units	Q		
Aspergillus	NT	NT	per gram			
Microbials (PCR) Analyzed: 9/12/2023 By: TAM						
SOP: 028	RL	Result	Units	Q		
Salmonella	1.00	Not Detected	per gram			









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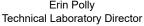
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Pain Relief Ointment (4oz) [7g]

Indica Blend

		Pestic	ides (LC-MS/MS) Analyzed: By:				Pesticides (LC-MS/MS) Analyzed: By:						
SOP: 011	RL	ppm	Q	RL	ppm	Q							
Acephate	NT	NT	Acequinocyl	NT	NT		•						
Acetamiprid	NT	NT	Aldicarb	NT	NT								
Azoxystrobin	NT	NT	Bifenthrin	NT	NT								
Boscalid	NT	NT	Carbaryl	NT	NT								
Carbofuran	NT	NT	Chlorpyrifos	NT	NT								
Diazinon	NT	NT	Dimethoate	NT	NT								
Ethoprophos	NT	NT	Etofenprox	NT	NT								
Etoxazole	NT	NT	Fenoxycarb	NT	NT								
Fenpyroximate E	NT	NT	Flonicamid	NT	NT								
Fludioxonil	NT	NT	Hexythiazox	NT	NT								
lmazalil	NT	NT	Imidacloprid	NT	NT								
Kresoxim-methyl	NT	NT	Malathion	NT	NT								
Metalaxyl	NT	NT	Methiocarb	NT	NT								
Methomyl	NT	NT	Myclobutanil	NT	NT								
Naled	NT	NT	Oxamyl	NT	NT								
Piperonyl butoxide	NT	NT	Propiconazole	NT	NT								
Propoxure	NT	NT	Spiromesifen	NT	NT								
Spirotetramat	NT	NT	Spiroxamine	NT	NT								
Tebuconazole	NT	NT	Thiacloprid	NT	NT								
Thiamethoxam	NT	NT	Trifloxystrobin	NT	NT								
Abamectin	NT	NT	Bifenazate	NT	NT								
Chlorantraniliprole	NT	NT	Clofentezine	NT	NT								
Cyfluthrin	NT	NT	Cypermethrin	NT	NT								
Daminozide	NT	NT	DDVP (Dichlorvos)	NT	NT								
Fipronil	NT	NT	Paclobutrazol	NT	NT								
Permethrins	NT	NT	Phosmet	NT	NT								
Prallethrin	NT	NT	Pyrethrins	NT	NT								
Pyridaben	NT	NT	Spinosad	NT	NT								
Chlorfenapyr	NT	NT	1										









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Pain Relief Ointment (4oz) [7g]

Indica Blend

Microbials (Petrifilm) Analyzed: By:					
SOP: 006	RL	Result	Units	Q	
Total Coliform	NT	NT	cfu/g	Q3	
Yeast	NT	NT	cfu/g	Q3	
Mold	NT	NT	cfu/g	Q3	
Aerobic Bacteria	NT	NT	cfu/g	Q3	

Water Activity (Water Activity Me	ter) Analyzed: By	r:		
SOP: 007	Al	N, 25 °C		Q
Water Activity		NT	Q3	

Moisture (Moisture Analyzer) Analyzed: By:					
SOP: 008		%	Q		
Percent Moisture	NT	NT	Q3		

pH Test (pH Meter) Analyzed: By:		
SOP: 022	NA	Q
pH	NT	Q3

		Matrix	: Topical
Terpenes (GC-I	MS) Analyzed:	Ву:	
SOP: 005	mg/g	%	Q
alpha-Bisabolol	NT	NT	Q3
(-)-Borneol and (+)-Borneol	NT	NT	Q3
Camphene	NT	NT	Q3
Camphor	NT	NT	Q3
beta-Caryophyllene	NT	NT	Q3
trans-Caryophyllene	NT	NT	Q3
Caryophyllene Oxide	NT	NT	Q3
alpha-Cedrene	NT	NT	Q3
Cedrol	NT	NT	Q3
Endo-fenchyl Alcohol	NT	NT	Q3
Eucalyptol	NT	NT	Q3
Fenchone	NT	NT	Q3
Geraniol	NT	NT	Q3
Geranyl acetate	NT	NT	Q3
Guaiol	NT	NT	Q3
Hexahydrothymol	NT	NT	Q3
alpha-Humulene	NT	NT	Q3
Isoborneol	NT	NT	Q3
Isopulegol	NT	NT	Q3
Limonene	NT	NT	Q3
Linalool	NT	NT	Q3
p-Mentha-1,5-diene	NT	NT	Q3
beta-Myrcene	NT	NT	Q3
trans-Nerolidol	NT	NT	Q3
Ocimene	NT	NT	Q3
alpha-Pinene	NT	NT	Q3
beta-Pinene	NT	NT	Q3
Pulegone	NT	NT	Q3
Sabinene	NT	NT	Q3
Sabinene Hydrate	NT	NT	Q3
gamma-Terpinene	NT	NT	Q3
alpha-Terpinene	NT	NT	Q3
3-Carene	NT	NT	Q3
Terpineol	NT	NT	Q3
Terpinolene	NT	NT	Q3
Valencene	NT	NT	Q3
Nerol	NT	NT	Q3
cis-Nerolidol	NT	NT	Q3
Total Terpenes	NT	NT	Q3

RL = Reporting Limit
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantitation



Technical Laboratory Director





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Pain Relief Ointment (4oz) [7g]

Indica Blend

Laboratory Number: 2309020-04 Matrix: Topical

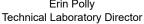
QUALIFIER DEFINITIONS

Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.

D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.

CASE NARRATIVE









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Halo Infusions and Extractions

License #: 00000026DCOM00244803 4585 S Palo Verde Rd Ste. 405 Tucson, AZ 85714 520-349-9755

Additional Licenses: Batch #: 051423-IPO.BASE; External Lot #: DS221205H

Source Batch #:DS221205H Sample Batch Collection: 05/23/23 14:30

Laboratory Number: 2305070-01

Sample Received: 5/24/2023; Report Created: 6/1/2023

WIP-051423-IPO.BASE

Indica Blend

Pesticides Metals **PASS PASS**

Residual Solvents **PASS**

E. coli **PASS**

Mycotoxins

Aspergillus

Salmonella

Matrix: Topical

Sample Image	
2305070-01 5/24/23	30g. 1
THE WAS SELECT FOR COME. THE WAS SELECT FOR COME.	

Can	nabinoid (HPLC-DAI	D) Analyze	d: 05/30/23 By	/: EGP	
SOP: 003	LOQ %	mg/g	mg/unit	%	Q
THC-A	0.01	6.5	80.60	0.65	
delta 9-THC	0.01	6.0	74.40	0.60	
delta 8-THC	0.01	ND	ND	ND	
THC-V	0.01	ND	ND	ND	
CBG-A	0.01	0.6	7.440	0.06	
CBD-A	0.01	ND	ND	ND	
CBD	0.01	ND	ND	ND	
CBD-V	0.01	ND	ND	ND	
CBN	0.01	ND	ND	ND	
CBG	0.01	0.2	2.480	0.02	
CBC	0.01	0.1	1.240	0.01	

11.70 mg/g 145.09 mg/unit 1.17 % **Total THC**

> RL = Reporting Limit NT = Not Tested ND = Non Detected

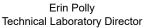
LOQ = Limit of Quantitation

0.00 mg/g 0.00 mg/unit 0.00 %

166.16 mg/unit 1.34% Total Cannabinoids **Total CBD**

Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyze	d: By:		
SOP: 011	RL	ppb	Q
Aflatoxins	NT	NT	
Ochratoxins	NT	NT	



13.40 mg/g

Not Tested	Not Tested		PASS	
Residual Solvents (G	1/23 B	y: ZEN		
SOP: 004	RL		ppm	Q
Propane	649.6	69	ND	
Butanes	649.6	69	ND	
Pentanes	150.7	73	ND	
Acetonitrile	213.1	10	ND	
Dichloromethane	311.8	35	ND	
Hexanes	150.7	73	ND	

Dichioromethane	311.85	ND
Hexanes	150.73	ND
Chloroform	31.19	ND
n-Heptane	2598.8	ND
Methanol	1559.3	ND
Ethanol	2598.8	ND
Diethyl Ether	2598.8	ND
Acetone	519.75	ND
Isopropanol	2598.8	ND
Ethyl acetate	2598.8	ND
Isopropyl acetate	2598.8	ND
Benzene	1.04	ND
Toluene	462.58	ND
Xylenes	103.95	ND

Metals (ICP-MS) Analyzed: 05/31/23 By: ZEN					
SOP: 035	RL	ppm	Q		
Arsenic	0.104	ND	L1		
Cadmium	0.104	ND			
Lead	0.260	ND			
Mercury	0.104	ND			

Microbials (Petrifilm) Analyzed: 5/31/2023 By: ATF					
SOP: 023	RL	Result	Units	Q	
E. coli	10	<10	cfu/g		
Microbials (PCR) Analyzed: By:					
SOP:	RL	Result	Units	Q	
Aspergillus	NT	NT	per gram		
Microbials (PCR) Analyzed: 5/31/2023 By: MLC					
SOP: 028	RL	Result	Units	Q	
Salmonella	1.00	Not Detected	per gram		



full without the written approval of Desert Valley Testing.



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Sample Received: 5/24/2023; Report Created: 6/1/2023

WIP-051423-IPO.BASE

Indica Blend

Laboratory Number: 2305070-01 Matrix: Topical

		Pesticides ((LC-MS/MS)	Analyzed: 05/30/23 By: K	SG		IV
SOP: 011	RL	ppm	Q		RL	ppm	Q
Acephate	0.206	ND		Acequinocyl	1.03	ND	
Acetamiprid	0.103	ND		Aldicarb	0.206	ND	
Azoxystrobin	0.103	ND		Bifenthrin	0.103	ND	
Boscalid	0.206	ND	V1	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	0.206	ND	
Etoxazole	0.103	ND		Fenoxycarb	0.103	ND	
Fenpyroximate E	0.206	ND		Flonicamid	0.515	ND	
Fludioxonil	0.206	ND		Hexythiazox	0.515	ND	
Imazalil	0.103	ND		Imidacloprid	0.206	ND	
Kresoxim-methyl	0.206	ND		Malathion	0.103	ND	
Metalaxyl	0.103	ND		Methiocarb	0.103	ND	
Methomyl	0.206	ND		Myclobutanil	0.103	ND	
Naled	0.258	ND	V1	Oxamyl	0.515	ND	
Piperonyl butoxide	1.03	ND		Propiconazole	0.206	ND	
Propoxure	0.103	ND		Spiromesifen	0.103	ND	
Spirotetramat	0.103	ND		Spiroxamine	0.206	ND	
Tebuconazole	0.206	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	L1, V1	Cypermethrin	0.515	ND	
Daminozide	0.515	ND	N1	DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.206	ND		Paclobutrazol	0.206	ND	
Permethrins	0.103	ND		Phosmet	0.103	ND	
Prallethrin	0.103	ND		Pyrethrins	0.515	ND	
Pyridaben	0.103	ND		Spinosad	0.103	ND	
Chlorfenapyr	1.03	ND		•			









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Laboratory Number: 2305070-01

Matrix: Topical

WIP-051423-IPO.BASE

Indica Blend

Microbials (Petrifilm) Analyzed: By:						
SOP: 006	RL	Result	Units	Q		
Total Coliform	NT	NT	cfu/g	Q3		
Mold	NT	NT	cfu/g	Q3		
Yeast	NT	NT	cfu/g	Q3		
Aerobic Bacteria	NT	NT	cfu/g	Q3		

alpha-Bisabolol	NT	NT	Q3	
(-)-Borneol and (+)-Borneol	NT	NT	Q3	
Camphene	NT	NT	Q3	
Camphor	NT	NT	Q3	
beta-Caryophyllene	NT	NT	Q3	
trans-Caryophyllene	NT	NT	Q3	
Caryophyllene Oxide	NT	NT	Q3	
alpha-Cedrene	NT	NT	Q3	
Cedrol	NT	NT	Q3	
Endo-fenchyl Alcohol	NT	NT	Q3	
Eucalyptol	NT	NT	Q3	
Fenchone	NT	NT	Q3	
Geraniol	NT	NT	Q3	
Geranyl acetate	NT	NT	Q3	
Guaiol	NT	NT	Q3	
Hexahydrothymol	NT	NT	Q3	
alpha-Humulene	NT	NT	Q3	
Isoborneol	NT	NT	Q3	
Isopulegol	NT	NT	Q3	
Limonene	NT	NT	Q3	
Linalool	NT	NT	Q3	
p-Mentha-1,5-diene	NT	NT	Q3	
beta-Myrcene	NT	NT	Q3	
trans-Nerolidol	NT	NT	Q3	
Ocimene	NT	NT	Q3	
alpha-Pinene	NT	NT	Q3	
beta-Pinene	NT	NT	Q3	
Pulegone	NT	NT	Q3	
Sabinene	NT	NT	Q3	
Sabinene Hydrate	NT	NT	Q3	
gamma-Terpinene	NT	NT	Q3	
alpha-Terpinene	NT	NT	Q3	
3-Carene	NT	NT	Q3	
Terpineol	NT	NT	Q3	
Terpinolene	NT	NT	Q3	
Valencene	NT	NT	Q3	

NT

Terpenes (GC-MS) Analyzed: By:

mg/g

SOP: 005

Water Activity (Water Activity Me	eter) Analyzed:	Ву:		
SOP: 007		AW, 25 °C		Q
Water Activity		NT	Q3	

Moisture (Moisture Analyzer) Analyzed: By:					
SOP: 008		%	Q		
Percent Moisture	NT	NT	O3		

pH Test (pH Meter) Analyzed:	Ву:		
SOP: 022		NA	Q
pH		NT	Q3

RL = Reporting Limit NT = Not Tested ND = Non Detected LOQ = Limit of Quantitation



Nerol

cis-Nerolidol

Total Terpenes





Q3

Q3

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



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WIP-051423-IPO.BASE

Indica Blend

Laboratory Number: 2305070-01 Matrix: Topical

QUALIFIER DEFINITIONS

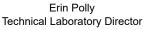
- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- 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)

RL = Reporting Limit
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantitation





Testing results were obtained according to requirements in the quality assurance plan in R9-17-404.05, in the applicable standard operating

