

High Grade Confidential

License#: 2320 E Baseline Rd Ste 490
Phoenix, AZ 85042
(520) 780-7740

Additional Licenses:
Batch #: 070630213779; External Lot #:
Sample Batch Collection: 08/18/21 14:20; Sample Batch Collected By: High Grade Confiden
Sample Received: 8/18/2021; Report Created: 9/1/2021

Hemlock Batter

Laboratory Number: 2108148-01
Concentrates

Herbicides Not Tested	Pesticides PASS	Residual Solvents PASS	Metals PASS	Mycotoxins PASS	Aspergillus PASS	E. Coli/ Salmonella PASS
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Sample Image



Residual Solvents (GCMS-MS) Analyzed: 08/31/21 By: KSG

Analyte	RL	ppm	Q
Propane	625.00	ND	L1, N1
Butanes	625.00	ND	
Pentanes	145.00	ND	
Acetonitrile	205.00	ND	R1
Dichloromethane	300.00	ND	V1
Hexanes	145.00	ND	
Chloroform	30.00	ND	L1, R1
n-Heptane	2500.0	ND	
Methanol	1500.0	ND	V1
Ethanol	2500.0	ND	R1
Diethyl Ether	2500.0	ND	
Acetone	500.00	ND	M1
Isopropanol	2500.0	ND	L1, N1
Ethyl acetate	2500.0	ND	M1, R1
Isopropyl acetate	2500.0	ND	M1
Benzene	1.00	ND	
Toluene	445.00	ND	
Xylenes	100.00	ND	

Cannabinoid (HPLC) Analyzed: 08/24/21 By: CBH

Analyte	LOQ %	%	mg/g	Q
THC-A	1.92	73.90	739	D1
delta 9-THC	0.10	4.20	42.0	
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.17	1.74	
CBG-A	0.10	3.29	32.9	
CBD-A	0.10	0.27	2.66	
CBD	0.10	ND	ND	
CBD-V	0.10	ND	ND	
CBN	0.10	ND	ND	
CBG	0.10	0.59	5.94	
CBC	0.10	ND	ND	

Metals (ICP-MS) Analyzed: 08/24/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.100	ND	M1
Cadmium	0.100	ND	
Lead	0.100	ND	
Mercury	0.010	ND	

Regulated Microbials (Petrifilm) Analyzed: 8/21/2021 By: NKB

Pathogens	RL	Result	Units	Q
E. coli	10.0	ND	cfu/g	

Regulated Microbials (PCR) Analyzed: 8/21/2021 By: LEF

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	cfu/g	
Salmonella	1.00	Absent	cfu/g	

69.00 % 690.00 mg/g Total THC	0.23 % 2.33 mg/g Total CBD	82.40 % 824.00 mg/g Total Cannabinoids
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Total THC = THCa * 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA * 0.877 + CBD

Regulated Mycotoxins (LC-MS TQ) Analyzed: 08/24/21 By: LEH

Pathogens	RL	ppb	Q
Aflatoxins	0.937	ND	M2
Ochratoxins	1.87	ND	N1, R1

RL = Reporting Limit
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Erin Polly
Technical Laboratory Director

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Pesticides (LC-MS TQ) Analyzed: 08/23/21 By: MLC							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.187	ND		Acequinocyl	0.937	ND	V1
Acetamiprid	0.094	ND		Aldicarb	0.187	ND	
Azoxystrobin	0.094	ND		Bifenthrin	0.094	ND	
Boscalid	0.187	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	0.187	ND	
Etoxazole	0.094	ND		Fenoxycarb	0.094	ND	
Fenpyroximate E	0.187	ND		Flonicamid	0.469	ND	
Fludioxonil	0.187	ND		Hexythiazox	0.469	ND	
Imazalil	0.094	ND		Imidacloprid	0.187	ND	
Kresoxim-methyl	0.187	ND		Malathion	0.094	ND	
Metalaxyl	0.094	ND		Methiocarb	0.094	ND	
Methomyl	0.187	ND		Myclobutanil	0.094	ND	
Naled	0.234	ND		Oxamyl	0.469	ND	
Piperonyl butoxide	0.937	ND		Propiconazole	0.187	ND	
Propoxure	0.094	ND		Spiromesifen	0.094	ND	
Spirotetramat	0.094	ND		Spiroxamine	0.187	ND	
Tebuconazole	0.187	ND		Thiacloprid	0.094	ND	
Thiamethoxam	0.094	ND		Trifloxystrobin	0.094	ND	
Abamectin	0.234	ND		Bifenazate	0.094	ND	
Chlorantraniliprole	0.094	ND		Clofentezine	0.094	ND	
Cyfluthrin	0.937	ND		Cypermethrin	0.469	ND	
Daminozide	0.469	ND		DDVP (Dichlorvos)	0.047	ND	
Fipronil	0.187	ND		Paclobutrazol	0.187	ND	
Permethrins	0.094	ND		Phosmet	0.094	ND	
Prallethrin	0.094	ND	V1	Pyrethrins	0.469	ND	
Pyridaben	0.094	ND		Spinosad	0.094	ND	
Chlorfenapyr	0.937	ND					

Herbicides (LC-MS TQ) Analyzed: By:			
Analyte	RL	ppm	Q
Pendimethalin	NT	NT	

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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Terpenes (GCMS-MS) Analyzed: By:

	mg/g	%	Q
Compound			
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 (Moisture Reacter) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
pH	NT	

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QUALIFIER DEFINITIONS AND CASE NARRATIVE

- 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.
 - 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 A description of any variances from the requirements in the QAP, the applicable SOPs, or that Administration made to ensure scientifically valid and defensible testing results, and the reason for the variance; see 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) or Quality Control Sample (QCS) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements , and the reason for the variance will be described in the Work Order memo.

N1: MS does not meet acceptance criteria (ochratoxins)
N1 - Propane and Isopropanol matrix spike recovery outside acceptance criteria.

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