

High Grade Confidential

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

Additional Licenses:
Batch #: 130421213681

Sample Batch Collection: 06/02/21 09:14; Sample Batch Collected By: High Grade Confiden
Sample Received: 6/2/2021; Report Created: 7/6/2021

Crunch Berries Budder

Laboratory Number: 2106030-02
Concentrates

Herbicides PASS	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: 06/09/21 By: CBH

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

Cannabinoid (HPLC) Analyzed: 06/03/21 By: LEH

Analyte	LOQ %	%	mg/g	Q
THC-A	1.84	75.09	751	D1
delta 9-THC	0.09	3.43	34.3	
delta 8-THC	0.09	ND	ND	
THC-V	0.09	ND	ND	
CBG-A	0.09	1.69	16.9	
CBD-A	0.09	0.22	2.19	
CBD	0.09	ND	ND	M4
CBD-V	0.09	ND	ND	
CBN	0.09	ND	ND	
CBG	0.09	0.14	1.41	
CBC	0.09	ND	ND	

Metals (ICP-MS) Analyzed: 06/04/21 By: JVR

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

Regulated Microbials (Petrifilm) Analyzed: 6/8/2021 By: LEF

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

Regulated Microbials (PCR) Analyzed: 6/8/2021 By: LEF

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

69.33 % 693.30 mg/g Total THC	0.19 % 1.92 mg/g Total CBD	80.60 % 806.00 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: 06/19/21 By: KSG

Pathogens	RL	ppb	Q
Aflatoxins	0.999	ND	M2
Ochratoxins	2.00	ND	M2

RL = Reporting Limit
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Tabitha Hauer
Owner

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Certificate of Analysis

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Pesticides (LC-MS TQ) Analyzed: 06/04/21 By: EGP							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.200	ND		Acequinocyl	0.999	ND	
Acetamiprid	0.100	ND		Aldicarb	0.200	ND	
Azoxystrobin	0.100	ND		Bifenthrin	0.100	ND	
Boscalid	0.200	ND	L1, N1	Carbaryl	0.100	ND	
Carbofuran	0.100	ND		Chlorpyrifos	0.100	ND	
Diazinon	0.100	ND		Dimethoate	0.100	ND	
Ethoprophos	0.100	ND		Etofenprox	0.200	ND	
Etoxazole	0.100	ND		Fenoxycarb	0.100	ND	
Fenpyroximate E	0.200	ND		Fonicamid	0.500	ND	
Fludioxonil	0.200	ND	V1	Hexythiazox	0.500	ND	
Imazalil	0.100	ND		Imidacloprid	0.200	ND	
Kresoxim-methyl	0.200	ND		Malathion	0.100	ND	
Metalaxyl	0.100	ND		Methiocarb	0.100	ND	
Methomyl	0.200	ND		Myclobutanil	0.100	ND	
Naled	0.250	ND		Oxamyl	0.500	ND	
Piperonyl butoxide	0.999	ND		Propiconazole	0.200	ND	
Propoxure	0.100	ND		Spiromesifen	0.100	ND	
Spirotetramat	0.100	ND		Spiroxamine	0.200	ND	
Tebuconazole	0.200	ND		Thiacloprid	0.100	ND	
Thiamethoxam	0.100	ND	L1, V1	Trifloxystrobin	0.100	ND	
Abamectin	0.250	ND		Bifenazate	0.100	ND	
Chlorantraniliprole	0.100	ND		Clofentezine	0.100	ND	
Cyfluthrin	0.500	ND		Cypermethrin	0.500	ND	
Daminozide	0.500	ND		DDVP (Dichlorvos)	0.050	ND	N1, V1
Fipronil	0.200	ND		Paclobutrazol	0.200	ND	
Permethrins	0.100	ND		Phosmet	0.100	ND	
Prallethrin	0.100	ND		Pyrethrins	0.500	ND	
Pyridaben	0.100	ND		Spinosad	0.100	ND	
Chlorfenapyr	0.100	ND					

Herbicides (LC-MS TQ) Analyzed: 07/04/21 By: EGP			
Analyte	RL	ppm	Q
Pendimethalin	0.050	ND	

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Tabitha A. Hauer
Tabitha Hauer
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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
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
Enterobacteria	NT	NT	cfu/g	Q3

Terpenes (GCMS-MS) Analyzed: By:

	mg/g	%	Q
Compound			
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

Water Activity (Moisture Reacter) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	Q3

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	Q3

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
pH	NT	Q3

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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.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M4 The analysis of the matrix spike required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated 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.
- 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: Matrix spike is above acceptance criteria for ethanol and butanes.
- N1-Full list pesticides not approved per ADHS rules on Apollo (LC-QQQ). All QC passes acceptance criteria.
- N1-Boscalid MS did not meet acceptance criteria.

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