

Curaleaf / Cura AZ

License#: 3333 S Central Ave
Phoenix, AZ 85040
(435) 760-8520

Additional Licenses:
Batch #: CAZ2103E-GDP
Sample Batch Collection: 05/06/21 14:50; Sample Batch Collected By: Curaleaf / Cura AZ
Sample Received: 5/6/2021; Report Created: 6/2/2021

Granddaddy Purple Select Elite Cartridge

Laboratory Number: 2105042-09
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: 05/11/21 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	V1
Toluene	445.00	ND	
Xylenes	100.00	ND	

Cannabinoid (HPLC) Analyzed: 05/09/21 By: LEH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.11	1.75	17.5	
delta 9-THC	2.15	91.17	912	D1
delta 8-THC	0.11	ND	ND	
THC-V	0.11	0.58	5.75	
CBG-A	0.11	0.28	2.81	
CBD-A	0.11	ND	ND	
CBD	0.11	0.56	5.56	
CBD-V	0.11	ND	ND	
CBN	0.11	0.66	6.62	
CBG	0.11	3.51	35.1	
CBC	0.11	1.17	11.7	

Metals (ICP-MS) Analyzed: 05/11/21 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: 5/11/2021 By: LEF

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

Regulated Microbials (PCR) Analyzed: 5/13/2021 By: MEF

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

92.73 % 927.30 mg/g Total THC	0.56 % 5.56 mg/g Total CBD	99.70 % 997.00 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: 05/14/21 By: MLC

Pathogens	RL	ppb	Q
Aflatoxins	1.00	ND	M2
Ochratoxins	2.01	ND	

RL = Reporting Limit
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LOQ = Limit of Quantification



Erin Polly
Technical Laboratory Director

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Certificate of Analysis

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51 W. Weldon Ave

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Pesticides (LC-MS TQ) Analyzed: 05/13/21 By: KSG							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.100	ND		Acequinocyl	0.501	ND	M1
Acetamiprid	0.050	ND		Aldicarb	0.100	ND	
Azoxystrobin	0.050	ND		Bifenthrin	0.050	ND	
Boscalid	0.100	ND		Carbaryl	0.050	ND	
Carbofuran	0.050	ND		Chlorpyrifos	0.050	ND	
Diazinon	0.050	ND		Dimethoate	0.050	ND	
Ethoprophos	0.050	ND		Etofenprox	0.100	ND	
Etoxazole	0.050	ND		Fenoxycarb	0.050	ND	
Fenpyroximate E	0.100	ND		Flonicamid	0.251	ND	
Fludioxonil	0.100	ND		Hexythiazox	0.251	ND	
Imazalil	0.050	ND		Imidacloprid	0.100	ND	
Kresoxim-methyl	0.100	ND		Malathion	0.050	ND	
Metalaxyl	0.050	ND		Methiocarb	0.050	ND	
Methomyl	0.100	ND		Myclobutanil	0.050	ND	
Naled	0.125	ND		Oxamyl	0.251	ND	
Piperonyl butoxide	0.501	ND		Propiconazole	0.100	ND	
Propoxure	0.050	ND		Spiromesifen	0.050	ND	
Spirotetramat	0.050	ND		Spiroxamine	0.100	ND	
Tebuconazole	0.100	ND		Thiacloprid	0.050	ND	
Thiamethoxam	0.050	ND		Trifloxystrobin	0.050	ND	
Abamectin	0.125	ND	Q3	Bifenazate	0.050	ND	Q3
Chlorantraniliprole	0.050	ND	Q3	Clofentezine	0.050	ND	Q3 M2
Cyfluthrin	0.251	ND	Q3 M2	Cypermethrin	0.251	ND	Q3 M2
Daminozide	0.251	ND	Q3	DDVP (Dichlorvos)	0.005	ND	Q3 M2
Fipronil	0.100	ND	Q3 M2	Paclobutrazol	0.100	ND	Q3
Permethrins	0.050	ND	Q3 M2	Phosmet	0.050	ND	Q3
Prallethrin	0.050	ND	Q3 M2, V1	Pyrethrins	0.251	ND	Q3 M2
Pyridaben	0.050	ND	Q3	Spinosad	0.050	ND	Q3
Chlorfenapyr	0.100	ND	Q3 V1				

Herbicides (LC-MS TQ) Analyzed: 05/15/21 By: KSG			
Analyte	RL	ppm	Q
Pendimethalin	0.020	ND	

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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 Reactor) 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.
- 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.
- 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.

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