

Curaleaf_Phoenix_AZ_Processing

License#: 0000053DCXB00858835
3333 S Central Ave
Phoenix, AZ 85040
602-525-7782

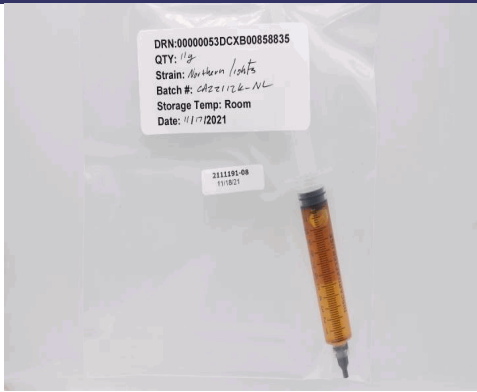
Additional Licenses:
Batch #: CAZ2112K-NL; External Lot #:
Sample Batch Collection: 11/17/21 08:41; Sample Batch Collected By: Curaleaf_Phoenix_AZ
Sample Received: 11/18/2021; Report Created: 12/9/2021

Northern Lights Select Elite Cartridge

Laboratory Number: 2111191-08
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: 12/03/21 By: ZEN

Analyte	RL	ppm	Q
Propane	625.00	ND	L1
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: 12/01/21 By: HMH

Analyte	LOQ %	%	mg/g	Q
THC-A	0.10	1.51	15.1	
delta 9-THC	2.00	84.94	849	D1
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.43	4.35	
CBG-A	0.10	ND	ND	
CBD-A	0.10	ND	ND	
CBD	0.10	0.52	5.17	
CBD-V	0.10	ND	ND	
CBN	0.10	0.66	6.59	
CBG	0.10	3.60	36.0	
CBC	0.10	0.94	9.42	

Metals (ICP-MS) Analyzed: 12/02/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.095	ND	M1
Cadmium	0.095	ND	
Lead	0.095	ND	
Mercury	0.010	ND	M1

Regulated Microbials (Petrifilm) Analyzed: 12/2/2021 By: NKB

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

Regulated Microbials (PCR) Analyzed: 11/28/2021 By: MEF

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	per gram	
Salmonella	1.00	Absent	per gram	

86.22 % 862.20 mg/g Total THC	0.52 % 5.17 mg/g Total CBD	92.60 % 926.00 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: 12/02/21 By: KSG

Pathogens	RL	ppb	Q
Aflatoxins	0.988	ND	
Ochratoxins	1.98	ND	

RL = Reporting Limit
NA = Not Applicable
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantification



Erin Polly
Technical Laboratory Director

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Certificate of Analysis

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Pesticides (LC-MS TQ) Analyzed: 12/01/21 By: LEH							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.198	ND	V1	Acequinocyl	0.988	ND	
Acetamiprid	0.099	ND		Aldicarb	0.198	ND	
Azoxystrobin	0.099	ND		Bifenthrin	0.099	ND	
Boscalid	0.198	ND		Carbaryl	0.099	ND	V1
Carbofuran	0.099	ND	R1	Chlorpyrifos	0.099	ND	
Diazinon	0.099	ND	V1	Dimethoate	0.099	ND	
Ethoprophos	0.099	ND	V1	Etofenprox	0.198	ND	
Etoxazole	0.099	ND	V1	Fenoxycarb	0.099	ND	V1
Fenpyroximate E	0.198	ND	V1	Fonicamid	0.494	ND	V1
Fludioxonil	0.198	ND		Hexythiazox	0.494	ND	
Imazalil	0.099	ND	L1, M1, V1	Imidacloprid	0.198	ND	
Kresoxim-methyl	0.198	ND		Malathion	0.099	ND	
Metalaxyl	0.099	ND		Methiocarb	0.099	ND	V1
Methomyl	0.198	ND		Myclobutanil	0.099	ND	
Naled	0.247	ND		Oxamyl	0.494	ND	
Piperonyl butoxide	0.988	ND		Propiconazole	0.198	ND	V1
Propoxure	0.099	ND		Spiromesifen	0.099	ND	V1
Spirotetramat	0.099	ND		Spiroxamine	0.198	ND	V1
Tebuconazole	0.198	ND		Thiacloprid	0.099	ND	
Thiamethoxam	0.099	ND		Trifloxystrobin	0.099	ND	
Abamectin	0.247	ND	V1	Bifenazate	0.099	ND	V1
Chlorantraniliprole	0.099	ND		Clofentezine	0.099	ND	V1
Cyfluthrin	0.988	ND	R1, V1	Cypermethrin	0.494	ND	
Daminozide	0.494	ND	L1, V1	DDVP (Dichlorvos)	0.049	ND	
Fipronil	0.198	ND		Paclobutrazol	0.198	ND	V1
Permethrins	0.099	ND		Phosmet	0.099	ND	
Prallethrin	0.099	ND	V1	Pyrethrins	0.494	ND	V1
Pyridaben	0.099	ND	V1	Spinosad	0.099	ND	L1, M1, V1
Chlorfenapyr	0.988	ND					

Herbicides (LC-MS TQ) Analyzed: 12/08/21 By: LEH			
Analyte	RL	ppm	Q
Pendimethalin	0.049	ND	

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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 Reactor) 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.
- 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.

Terpene analysis not regulated by Arizona Department of Health .

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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