

Prepared for:
Crested River Cannabis Company

79 Vernon Ave
Morgan, MN USA 56266

Grape Ape

Batch ID or Lot Number: 221228.1	Test: Potency	Reported: 26Jan2023	USDA License: N/A
Matrix: Unit	Test ID: T000233242	Started: 24Jan2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 23Jan2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.207	0.661	ND	ND	# of Servings = 1, Sample Weight=473g
Cannabichromenic Acid (CBCA)	0.189	0.605	ND	ND	
Cannabidiol (CBD)	0.558	1.813	9.220	0.20	
Cannabidiolic Acid (CBDA)	0.572	1.859	ND	ND	
Cannabidivarin (CBDV)	0.132	0.429	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.239	0.776	ND	ND	
Cannabigerol (CBG)	0.118	0.375	ND	ND	
Cannabigerolic Acid (CBGA)	0.491	1.570	ND	ND	
Cannabinol (CBN)	0.153	0.490	ND	ND	
Cannabinolic Acid (CBNA)	0.335	1.071	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.585	1.870	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.532	1.698	8.730	0.18	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.471	1.505	ND	ND	
Tetrahydrocannabivarin (THCV)	0.107	0.342	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.415	1.327	ND	ND	
Total Cannabinoids			17.950	0.38	
Total Potential THC			8.730	0.18	
Total Potential CBD			9.220	0.20	

Final Approval



Karen Winternheimer
26Jan2023
03:33:00 PM MST

PREPARED BY / DATE



Sam Smith
26Jan2023
03:34:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/d995361e-e68a-4cb4-88f6-22f7fec82965>

Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02
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Prepared for:
Crested River Cannabis Company

79 Vernon Ave
Morgan, MN USA 56266

Grape Ape

Batch ID or Lot Number: 221228.1	Test: Residual Solvents	Reported: 26Jan2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000230066	Started: 24Jan2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 23Jan2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	104 - 2082	ND	
Butanes (Isobutane, n-Butane)	208 - 4160	ND	
Methanol	69 - 1373	ND	
Pentane	112 - 2243	ND	
Ethanol	111 - 2213	ND	
Acetone	112 - 2247	ND	
Isopropyl Alcohol	114 - 2277	ND	
Hexane	7 - 134	ND	
Ethyl Acetate	115 - 2304	ND	
Benzene	0.2 - 4.6	ND	
Heptanes	115 - 2292	ND	
Toluene	20 - 407	ND	
Xylenes (m,p,o-Xylenes)	150 - 3009	ND	

Final Approval



Karen Winternheimer
26Jan2023
03:33:00 PM MST

PREPARED BY / DATE



Sam Smith
26Jan2023
03:34:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/07855409-970b-45a2-b042-9d4ff6a8369c>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Grape Ape

Batch ID:	221228.1	Test ID:	T000230064
Matrix:	Finished Product	Received:	12/12/2022 @ 03:45 PM
Test:	Microbial Contaminants	Started:	12/13/2022
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	12/16/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	2.0x10 ² - 3.0x10 ⁴ CFU/g	None Detected
Total Aerobic Count*	TM-26 Culture Plating	10 ² CFU/g	2.0x10 ³ - 3.0x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	2.0x10 ² - 3.0x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
10³ = 1,000 CFU
10⁴ = 10,000 CFU
10⁵ = 100,000 CFU


NOTES:


Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


Brett Hudson
12/16/2022
12:42:00 PM


Eden Thompson-Wright
12/16/2022
4:17:00 PM

PREPARED BY / DATE

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Testing results are based solely upon the sample submitted to SC Laboratories, Inc. SC Laboratories, Inc warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01



Certificate #4329.03

Prepared for:

Grape Ape

Crested River Cannabis Company

Batch ID or Lot Number: **221228.1** Test: **Pesticides** Reported: **12/16/22** Location: **79 Vernon Ave
Morgan, MN 56266**

Matrix: **Concentrate** Test ID: **T000230063** Started: **12/14/22** USDA License: **N/A**

Status: **N/A** Method: **TM17(LC-QQQ LC MS/MS)** Received: **12/12/2022 @ 03:45 PM** Sampler ID: **N/A**

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	44	ND	Fenoxycarb	43	ND	Paclobutrazol	39	ND
Acetamiprid	41	ND	Fipronil	40	ND	Permethrin	167	ND
Abamectin	321	ND	Flonicamid	51	ND	Phosmet	41	ND
Azoxystrobin	44	ND	Fludioxonil	256	ND	Prophos	275	ND
Bifenazate	41	ND	Hexythiazox	42	ND	Propoxur	41	ND
Boscalid	45	ND	Imazalil	257	ND	Pyridaben	291	ND
Carbaryl	42	ND	Imidacloprid	47	ND	Spinosad A	34	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	47	ND	Malathion	284	ND	Spiromesifen	280	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	270	ND
Clofentezine	273	ND	Methiocarb	44	ND	Spiroxamine 1	18	ND
Diazinon	280	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	286	ND	MGK 264 1	182	ND	Tebuconazole	288	ND
Dimethoate	42	ND	MGK 264 2	119	ND	Thiacloprid	43	ND
E-Fenpyroximate	294	ND	Myclobutanil	46	ND	Thiamethoxam	41	ND
Etofenprox	39	ND	Naled	43	ND	Trifloxystrobin	41	ND
Etoxazole	300	ND	Oxamyl	1500	ND			

K Winternheimer Karen Winternheimer
12/16/2022
9:22:00 AM

Samantha Smith Sam Smith
12/16/2022
9:32:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
ppb = Parts per Billion

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Certificate #4329.02

Prepared for:
Crested River Cannabis Company

79 Vernon Ave
Morgan, MN USA 56266


Grape Ape

Batch ID or Lot Number: 221228.1	Test: Heavy Metals	Reported: 20Dec2022	USDA License: NA
Matrix: Unit	Test ID: T000230065	Started: 19Dec2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 12Dec2022	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.22	ND	
Cadmium	0.05 - 4.63	ND	
Mercury	0.04 - 4.44	ND	
Lead	0.05 - 4.50	ND	

Final Approval



Sam Smith
20Dec2022
08:06:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
20Dec2022
08:07:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0ed3a76f-36c4-42bd-9174-72065b86cb7e>

Definitions

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