

Prepared for:

Planetarie Mint Infusion
Planetarie


Batch ID or Lot Number: 0122-F4	Test: Potency	Reported: 2/7/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Unit	Test ID: T000190345	Started: 2/4/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.238	13.063	23.873	0.85	# of Servings = 1 Sample Weight=28g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.783	14.744	ND	ND	
Cannabidiolic acid (CBDA)	4.354	15.675	1444.363	51.58	
Cannabidiol (CBD)	4.245	15.283	54.676	1.95	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.267	16.234	ND	ND	
Cannabinolic Acid (CBNA)	3.016	9.297	ND	ND	
Cannabinol (CBN)	1.380	4.253	ND	ND	
Cannabigerolic acid (CBGA)	4.421	13.627	43.156	1.54	
Cannabigerol (CBG)	1.058	3.260	15.898	0.57	
Tetrahydrocannabivarinic Acid (THCVA)	3.738	11.522	ND	ND	
Tetrahydrocannabivarin (THCV)	0.962	2.965	ND	ND	
Cannabidivarinic Acid (CBDVA)	1.816	6.539	4.237*	0.15*	
Cannabidivarin (CBDV)	1.004	3.615	ND	ND	
Cannabichromenic Acid (CBCA)	1.704	5.251	15.710	0.56	
Cannabichromene (CBC)	1.863	5.741	ND	ND	
Total Cannabinoids			1601.913	57.21	
Total Potential THC**			20.937	0.75	
Total Potential CBD**			1321.382	47.19	


 Daniel Weidensaul
 07-Feb-2022
 06:11 PM


 Ryan Weems
 7-Feb-22
 6:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



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Certificate #4329.02


Prepared for:

Planetarie Mint Infusion
Planetarie

Batch ID or Lot Number: 0122-F4	Test: Microbial Contaminants	Reported: 2/7/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000190347	Started: 2/2/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	<LLOQ	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Eden Thompson-Wright
 2/5/2022
 12:28:00 PM


 Brianne Maillot
 2/7/2022
 8:48:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



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Prepared for:

Planetarie Mint Infusion
Planetarie

Batch ID or Lot Number: 0122-F4	Test: Mycotoxins	Reported: 2/8/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000190350	Started: 2/7/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.9 - 131.9	ND	N/A
Aflatoxin B1	1 - 34	ND	
Aflatoxin B2	1.1 - 34.6	ND	
Aflatoxin G1	1.1 - 34.1	ND	
Aflatoxin G2	1.2 - 32.4	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 8-Feb-22
 10:53 AM

PREPARED BY / DATE


 Ryan Weems
 8-Feb-22
 10:57 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Batch ID or Lot Number: 0122-F4	Test: Pesticides	Reported: 2/7/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000190346	Started: 2/4/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	43	ND	Fenoxycarb	45	ND	Paclobutrazol	43	ND
Acetamiprid	43	ND	Fipronil	48	ND	Permethrin	284	ND
Avermectin	352	ND	Flonicamid	55	ND	Phosmet	45	ND
Azoxystrobin	44	ND	Fludioxonil	286	ND	Prophos	297	ND
Bifenazate	42	ND	Hexythiazox	43	ND	Propoxur	43	ND
Boscalid	42	ND	Imazalil	286	ND	Pyridaben	303	ND
Carbaryl	42	ND	Imidacloprid	48	ND	Spinosad A	36	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	52	ND
Chlorantraniliprole	52	ND	Malathion	310	ND	Spiromesifen	275	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	287	ND
Clofentezine	290	ND	Methiocarb	43	ND	Spiroxamine 1	19	ND
Diazinon	306	ND	Methomyl	43	ND	Spiroxamine 2	24	ND
Dichlorvos	287	ND	MGK 264 1	167	ND	Tebuconazole	298	ND
Dimethoate	44	ND	MGK 264 2	115	ND	Thiacloprid	45	ND
E-Fenpyroximate	294	ND	Myclobutanil	39	ND	Thiamethoxam	41	ND
Etofenprox	46	ND	Naled	47	ND	Trifloxystrobin	45	ND
Etoxazole	301	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 2/7/2022
 12:23:00 PM


 Alex Smith
 2/7/2022
 2:25:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:


Planetarie Mint Infusion


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Batch ID or Lot Number: 0122-F4	Test: Residual Solvents	Reported: 2/4/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000190349	Started: 2/3/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	79 - 1584	*ND	
Butanes (Isobutane, n-Butane)	164 - 3275	*ND	
Methanol	61 - 1216	*ND	
Pentane	90 - 1801	*ND	
Ethanol	92 - 1848	*ND	
Acetone	99 - 1986	*ND	
Isopropyl Alcohol	105 - 2096	*ND	
Hexane	6 - 120	*ND	
Ethyl Acetate	101 - 2027	*ND	
Benzene	0.2 - 4.1	*ND	
Heptanes	97 - 1941	*ND	
Toluene	19 - 370	*ND	
Xylenes (m,p,o-Xylenes)	136 - 2721	*ND	

 Karen Winternheimer
4-Feb-22
1:11 PM

 Ryan Weems
4-Feb-22
1:14 PM

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APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:

Planetarie Mint Infusion
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Batch ID or Lot Number: 0122-F4	Test: Metals	Reported: 2/7/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000190348	Started: 2/4/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 02/01/2022 @ 01:29 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.42	ND	
Cadmium	0.044 - 4.37	ND	
Mercury	0.044 - 4.37	ND	
Lead	0.045 - 4.54	ND	


 Ryan Weems
 7-Feb-22
 6:12 PM

PREPARED BY / DATE


 Daniel Weidensaul
 7-Feb-22
 6:21 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Prepared for:

Mint Infusion
Planetarie

Batch ID or Lot Number: 1021-070721-F4-2	Test: Potency	Reported: 10/28/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Unit	Test ID: T000171872	Started: 10/27/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.029	13.063	33.458	1.18	# of Servings = 1 Sample Weight=28.38g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.547	14.743	ND	ND	
Cannabidiolic acid (CBDA)	5.377	16.191	1570.344	55.33	
Cannabidiol (CBD)	5.243	15.786	13.065*	0.46*	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.007	16.234	ND	ND	
Cannabinolic Acid (CBNA)	2.867	9.297	ND	ND	
Cannabinol (CBN)	1.312	4.252	ND	ND	
Cannabigerolic acid (CBGA)	4.203	13.626	47.636	1.68	
Cannabigerol (CBG)	1.005	3.260	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.554	11.522	ND	ND	
Tetrahydrocannabivarin (THCV)	0.914	2.965	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.243	6.754	9.043	0.32	
Cannabidivarin (CBDV)	1.240	3.734	ND	ND	
Cannabichromenic Acid (CBCA)	1.620	5.251	21.505	0.76	
Cannabichromene (CBC)	1.771	5.741	ND	ND	
Total Cannabinoids			1695.051	59.73	
Total Potential THC**			29.343	1.03	
Total Potential CBD**			1390.257	48.99	


 Sam Smith
 28-Oct-2021
 07:13 PM


 Ryan Weems
 28-Oct-21
 7:15 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 1021-070721-F4-2	Test: Microbial Contaminants	Reported: 10/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000171874	Started: 10/26/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Brianne Maillot
 10/29/2021
 11:11:00 AM

PREPARED BY / DATE


 Carly Bader
 10/29/2021
 12:48:00 PM

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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

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Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 1021-070721-F4-2	Test: Mycotoxins	Reported: 10/28/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000171877	Started: 10/27/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.8 - 120.4	ND	N/A
Aflatoxin B1	1.2 - 30.6	ND	
Aflatoxin B2	1.1 - 30.5	ND	
Aflatoxin G1	1.1 - 30.6	ND	
Aflatoxin G2	1.5 - 29.8	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 28-Oct-21
 1:15 PM

PREPARED BY / DATE


 Sam Smith
 28-Oct-21
 1:18 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



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Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 1021-070721-F4-2	Test: Pesticides	Reported: 11/2/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Concentrate	Test ID: T000171873	Started: 11/1/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	49	ND	Fenoxycarb	47	ND	Paclobutrazol	51	ND
Acetamiprid	45	ND	Fipronil	49	ND	Permethrin	302	ND
Avermectin	311	ND	Flonicamid	52	ND	Phosmet	46	ND
Azoxystrobin	43	ND	Fludioxonil	322	ND	Prophos	278	ND
Bifenazate	42	ND	Hexythiazox	47	ND	Propoxur	44	ND
Boscalid	47	ND	Imazalil	307	ND	Pyridaben	280	ND
Carbaryl	44	ND	Imidacloprid	51	ND	Spinosad A	32	ND
Carbofuran	48	ND	Kresoxim-methyl	150	ND	Spinosad D	58	ND
Chlorantraniliprole	59	ND	Malathion	304	ND	Spiromesifen	308	ND
Chlorpyrifos	500	ND	Metalaxyl	48	ND	Spirotetramat	309	ND
Clofentezine	302	ND	Methiocarb	49	ND	Spiroxamine 1	24	ND
Diazinon	309	ND	Methomyl	55	ND	Spiroxamine 2	29	ND
Dichlorvos	322	ND	MGK 264 1	188	ND	Tebuconazole	309	ND
Dimethoate	45	ND	MGK 264 2	127	ND	Thiacloprid	45	ND
E-Fenpyroximate	284	ND	Myclobutanil	45	ND	Thiamethoxam	48	ND
Etofenprox	40	ND	Naled	49	ND	Trifloxystrobin	45	ND
Etoxazole	314	ND	Oxamyl	1500	ND			


 Sam Smith
 11/2/2021
 4:32:00 PM


 Daniel Weidensaul
 11/2/2021
 4:55:00 PM

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APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:

Mint Infusion

Planetarie


Batch ID or Lot Number: **1021-070721-F4-2** Test: **Residual Solvents** Reported: **10/27/21** Location: 600 31ST STREET UNIT B EVANS, CO 80620


Matrix: N/A Test ID: T000171876 Started: 10/27/21 USDA License: N/A

Status: N/A Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel) Received: 10/26/2021 @ 09:31 AM Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1662	*ND	
Butanes (Isobutane, n-Butane)	166 - 3322	*ND	
Methanol	65 - 1309	*ND	
Pentane	95 - 1891	*ND	
Ethanol	103 - 2063	*ND	
Acetone	102 - 2048	*ND	
Isopropyl Alcohol	115 - 2301	*ND	
Hexane	6 - 123	*ND	
Ethyl Acetate	107 - 2132	*ND	
Benzene	0.2 - 4.2	*ND	
Heptanes	102 - 2038	*ND	
Toluene	19 - 377	*ND	
Xylenes (m,p,o-Xylenes)	138 - 2770	*ND	

 Daniel Weidensaul
27-Oct-21
6:04 PM

 Ryan Weems
27-Oct-21
6:08 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 1021-070721-F4-2	Test: Metals	Reported: 10/28/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000171875	Started: 10/27/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.79	ND	
Cadmium	0.045 - 4.52	ND	
Mercury	0.045 - 4.54	ND	
Lead	0.046 - 4.62	ND	


 Ryan Weems
 28-Oct-21
 1:37 PM

PREPARED BY / DATE


 Sam Smith
 28-Oct-21
 1:40 PM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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CDPHE Certified



Certificate #4329.02

Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 0721-SB1	Test: Potency	Reported: 9/10/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
--	-------------------------	-----------------------------	--

Matrix: Unit	Test ID: T000161594	Started: 9/9/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	4.191	12.058	28.836	1.02	# of Servings = 1 Sample Weight=28.35g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.731	13.610	10.308	0.36	
Cannabidiolic acid (CBDA)	4.922	15.803	1592.699	56.18	
Cannabidiol (CBD)	4.798	15.408	32.126	1.13	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.209	14.986	ND	ND	
Cannabinolic Acid (CBNA)	2.983	8.582	ND	ND	
Cannabinol (CBN)	1.364	3.925	ND	ND	
Cannabigerolic acid (CBGA)	4.372	12.579	45.579	1.61	
Cannabigerol (CBG)	1.046	3.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.697	10.636	ND	ND	
Tetrahydrocannabivarin (THCV)	0.951	2.737	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.053	6.592	11.058	0.39	
Cannabidivarin (CBDV)	1.135	3.644	ND	ND	
Cannabichromenic Acid (CBCA)	1.685	4.847	18.390	0.65	
Cannabichromene (CBC)	1.842	5.300	ND	ND	
Total Cannabinoids			1738.996	61.34	
Total Potential THC**			35.597	1.26	
Total Potential CBD**			1428.923	50.40	


 Ryan Weems
 10-Sep-2021
 06:01 PM

PREPARED BY / DATE


 Daniel Weidensaul
 10-Sep-21
 6:07 PM

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:


Mint Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Microbial Contaminants	Reported: 9/10/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000161596	Started: 9/7/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Brett Hudson
 9/10/2021
 11:16:00 AM


 Brianne Maillot
 9/10/2021
 11:36:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* 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

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Prepared for:

Mint Infusion
Planetarie


Batch ID or Lot Number: 0721-SB1	Test: Mycotoxins	Reported: 9/13/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000161599	Started: 9/10/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.9 - 128.1	ND	N/A
Aflatoxin B1	1 - 33.4	ND	
Aflatoxin B2	1 - 33.3	ND	
Aflatoxin G1	1 - 33.1	ND	
Aflatoxin G2	1 - 32.4	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 13-Sep-21
 6:13 AM

PREPARED BY / DATE


 Alex Smith
 13-Sep-21
 7:07 AM

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:

Mint Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Pesticides	Reported: 9/9/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000161595	Started: 9/8/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	45	ND	Fenoxycarb	40	ND	Paclobutrazol	48	ND
Acetamiprid	42	ND	Fipronil	25	ND	Permethrin	286	ND
Avermectin	287	ND	Flonicamid	52	ND	Phosmet	45	ND
Azoxystrobin	49	ND	Fludioxonil	269	ND	Prophos	276	ND
Bifenazate	46	ND	Hexythiazox	42	ND	Propoxur	44	ND
Boscalid	46	ND	Imazalil	281	ND	Pyridaben	281	ND
Carbaryl	40	ND	Imidacloprid	45	ND	Spinosad A	35	ND
Carbofuran	44	ND	Kresoxim-methyl	150	ND	Spinosad D	55	ND
Chlorantraniliprole	48	ND	Malathion	286	ND	Spiromesifen	313	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	326	ND
Clofentezine	286	ND	Methiocarb	44	ND	Spiroxamine 1	17	ND
Diazinon	294	ND	Methomyl	43	ND	Spiroxamine 2	26	ND
Dichlorvos	290	ND	MGK 264 1	171	ND	Tebuconazole	293	ND
Dimethoate	42	ND	MGK 264 2	115	ND	Thiacloprid	45	ND
E-Fenpyroximate	260	ND	Myclobutanil	46	ND	Thiamethoxam	45	ND
Etofenprox	45	ND	Naled	48	ND	Trifloxystrobin	45	ND
Etoxazole	303	ND	Oxamyl	1500	ND			


 Sam Smith
 9/9/2021
 3:33:00 PM


 Karen Winternheimer
 9/9/2021
 3:34:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:


Mint Infusion


Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Residual Solvents	Reported: 9/13/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000161598	Started: 9/10/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1663	*ND	
Butanes (Isobutane, n-Butane)	160 - 3193	*ND	
Methanol	59 - 1189	*ND	
Pentane	88 - 1759	*ND	
Ethanol	95 - 1895	*ND	
Acetone	97 - 1941	*ND	
Isopropyl Alcohol	101 - 2018	*ND	
Hexane	6 - 117	*ND	
Ethyl Acetate	92 - 1849	*ND	
Benzene	0 - 4	*ND	
Heptanes	93 - 1859	*ND	
Toluene	17 - 350	*ND	
Xylenes (m,p,o-Xylenes)	126 - 2523	*ND	

 Sam Smith
13-Sep-21
9:56 AM

 Ryan Weems
13-Sep-21
9:58 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Prepared for:


Mint Infusion


Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Metals	Reported: 9/10/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000161597	Started: 9/8/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 09/03/2021 @ 02:03 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.85	ND	
Cadmium	0.047 - 4.66	ND	
Mercury	0.045 - 4.47	ND	
Lead	0.047 - 4.72	ND	

 Daniel Weidensaul
10-Sep-21
12:51 PM

 Ryan Weems
10-Sep-21
12:53 PM

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APPROVED BY / DATE

Definitions

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NORDIC ANALYTICAL

LABORATORIES
info@nordicanalytic.com
720-403-8179



Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Infusion C3 3.0
Sample Batch:
Sample Type: Tincture
Test Type: Potency
Nordic ID: 259858

Date Received: 04/14/2020
Date Tested: 04/15/2020
Date Approved: 04/15/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004061
Seal State: Intact

Potency Report

Cannabinoid	Total mg	PASS/FAIL
THC	ND	-
THCA	25.38	-
CBD	ND	-
CBDA	1470.32	-
CBN	ND	-
CBG	ND	-
CBGA	37.71	-
CBC	ND	-
CBDV	ND	-
THCV	ND	-
Total	1533.41	-

ND = Non-Detect
NR = Non-Reportable Value

Laboratory Notes:

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
www.nordicanalytic.com

SOP Reference:

Nordic SOP 005-001 (sample prep), Nordic SOP 005-002 (analysis)

Aleksey Nikolayev, PhD, Lab Director

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LABORATORIES
info@nordicanalytic.com
720-403-8179



Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Infusion C3 3.0
Sample Batch:
Sample Type: Tincture
Test Type: Microbial: Full
Nordic ID: 259878

Date Received: 04/14/2020
Date Tested: 04/18/2020
Date Approved: 04/18/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004061
Seal State: Intact

Microbial Analysis Results

Test	CFU/gram Count	Limit(CFU/gram)	Pass/Fail
E. Coli*	ND	< 1	PASS
Salmonella*	ND	< 1	PASS
Total Yeast & Mold**	ND	< 10000	PASS

ND = Not Detected
CFU = Colony Forming Unit
***Testing is performed using PCR**
****Testing is performed using plating techniques**

Visual Inspection: PASS

Laboratory Notes:

SOP Reference:
Nordic SOP 004-002, Nordic SOP 004-007, SOP 004-003

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
www.nordicanalytic.com

Aleksey Nikolayev, PhD, Lab Director

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NORDIC ANALYTICAL

LABORATORIES
info@nordicanalytic.com
720-403-8179



Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Infusion C3 3.0
Sample Batch:
Sample Type: Tincture
Test Type: Pesticides
Nordic ID: 259868

Date Received: 04/14/2020
Date Tested: 04/17/2020
Date Approved: 04/17/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004061
Seal State: Intact

Pesticide Screening Results

Pesticide	Result (ppb)	Limit (ppb)	Pass/Fail
Imidacloprid	ND	20	PASS
Imazalil	ND	40	PASS
Azoxystrobin	ND	20	PASS
Malathion	ND	50	PASS
Myclobutanil	ND	40	PASS
Bifenazate	ND	20	PASS
Spirotetramat	ND	20	PASS
Tebuconazole	ND	10	PASS
Spinosad A	ND	60	PASS
Spinosad D	ND	60	PASS
Etoxazole	ND	10	PASS
Spiromesifen	ND	30	PASS
Abamectins (B1a & B1b)	ND	70	PASS
Permethrins	ND	40	PASS

ND = Non-Detect
NR = Non-Reportable Value

Pesticide testing is performed using LC/MS/MS
ppb (parts per billion) = nanogram/gram

Laboratory Notes:

SOP Reference:
Nordic SOP 005-008 (sample prep), Nordic SOP 005-009 (analysis)

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
www.nordicanalytic.com

Aleksey Nikolayev, PhD, Lab Director

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NORDIC ANALYTICAL

LABORATORIES
info@nordicanalytic.com
720-403-8179



Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name: Result Group Colorado
Sample Name: Planetarie LLC-CBDa Infusion C3 3.0
Sample Batch:
Sample Type: Tincture
Test Type: Residual Solvents (RSA)
Nordic ID: 259863

Date Received: 04/14/2020
Date Tested: 04/16/2020
Date Approved: 04/16/2020
License Number: 403H-80970
METRC Tag: 1A4000712682A2A000004061
Seal State: Intact

Residual Solvent Analysis Results

Solvent	Result(ppm)	Limit(ppm)	Pass/Fail
Butanes	ND	< 1000	PASS
Propane	ND	< 1000	PASS
Methanol	ND	< 600	PASS
Pentane	ND	< 1000	PASS
Ethanol	ND	< 1000	PASS
Acetone	ND	< 1000	PASS
Isopropyl Alcohol	ND	< 1000	PASS
Hexane	ND	< 60	PASS
Ethyl Acetate	ND	< 1000	PASS
Benzene	ND	< 2	PASS
Heptane	ND	< 1000	PASS
Toluene	ND	< 180	PASS
Xylenes	ND	< 430	PASS

ND = Non-Detect
NR = Non-Reportable Value

Residual Solvent Analysis is performed by Headspace Gas Chromatography with a Flame Ionization Detector.

Laboratory Notes:

SOP Reference:
Nordic SOP 005-003

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
www.nordicanalytic.com

Aleksey Nikolayev, PhD, Lab Director

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NORDIC ANALYTICAL

LABORATORIES

info@nordicanalytic.com

720-403-8179

Result Group Colorado
3521 W. Louisiana Ave.
Denver, CO 80219

Company Name:	Result Group Colorado	Date Received:	04/14/2020
Sample Name:	Planetarie LLC-CBDa Infusion C3 3.0	Date Tested:	04/22/2020
Sample Batch:		Date Approved:	04/22/2020
Sample Type:	Tincture	License Number:	403H-80970
Test Type:	Heavy Metals	METRC Tag:	1A4000712682A2A000004061
Nordic ID:	259873	Seal State:	Intact

Heavy Metals Report

Metal	Result (ppm)	Limit (ppm)	Pass/Fail
Arsenic (As)	ND	1.5	PASS
Cadmium (Cd)	ND	0.5	PASS
Mercury (Hg)	ND	1.5	PASS
Lead (Pb)	0.305	1	PASS

ND = Non-Detect

NR = Non-Reportable Value

Laboratory Notes:

SOP Reference:

Nordic Analytical SOP: 005-012

Lab Information:

Nordic Analytical Laboratories
3960 Grape Street, Denver, CO 80207
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Aleksey Nikolayev, PhD, Lab Director

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