

Prepared for:

Planetarie Tropical Infusion
Planetarie

Batch ID or Lot Number: 0122-F4	Test: Potency	Reported: 1/28/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Unit	Test ID: T000189036	Started: 1/26/22	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 01/24/2022 @ 04:56 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)	4.418	14.539	24.574	0.88	# of Servings = 1 Sample Weight=28g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.986	16.410	ND	ND	
Cannabidiolic acid (CBDA)	6.234	16.834	1493.792	53.35	
Cannabidiol (CBD)	6.078	16.413	40.045	1.43	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.490	18.069	ND	ND	
Cannabinolic Acid (CBNA)	3.144	10.348	ND	ND	
Cannabinol (CBN)	1.438	4.733	ND	ND	
Cannabigerolic acid (CBGA)	4.609	15.167	41.853	1.49	
Cannabigerol (CBG)	1.102	3.628	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.897	12.824	ND	ND	
Tetrahydrocannabivarin (THCV)	1.003	3.300	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.600	7.022	4.632*	0.17*	
Cannabidivarin (CBDV)	1.437	3.882	ND	ND	
Cannabichromenic Acid (CBCA)	1.776	5.845	14.872	0.53	
Cannabichromene (CBC)	1.942	6.390	ND	ND	
Total Cannabinoids			1619.768	57.85	
Total Potential THC**			21.551	0.77	
Total Potential CBD**			1350.101	48.22	


 Ryan Weems
 28-Jan-2022
 03:38 PM

PREPARED BY / DATE


 Karen Winternheimer
 28-Jan-22
 3:49 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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Certificate #4329.02

Prepared for:

Planetarie Tropical Infusion
Planetarie

Batch ID or Lot Number: 0122-F4	Test: Microbial Contaminants	Reported: 1/31/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000189038	Started: 1/25/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 01/24/2022 @ 04:56 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 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	


 Jackson Osaghae-Nosa
 1/31/2022
 8:43:00 AM

PREPARED BY / DATE


 Eden Thompson-Wright
 1/31/2022
 10:03:00 AM

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 Tropical Infusion
Planetarie

Batch ID or Lot Number: 0122-F4	Test: Mycotoxins	Reported: 1/28/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000189041	Started: 1/26/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 01/24/2022 @ 04:56 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.2 - 127.8	ND	N/A
Aflatoxin B1	0.9 - 32.4	ND	
Aflatoxin B2	1 - 32.1	ND	
Aflatoxin G1	1 - 32.1	ND	
Aflatoxin G2	1.2 - 32.1	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 28-Jan-22
 12:59 PM

PREPARED BY / DATE


 Ryan Weems
 28-Jan-22
 1:09 PM

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: 1/26/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000189037	Started: 1/25/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 01/24/2022 @ 04:56 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	39	ND	Fenoxycarb	40	ND	Paclobutrazol	44	ND
Acetamiprid	41	ND	Fipronil	45	ND	Permethrin	316	ND
Avermectin	374	ND	Flonicamid	45	ND	Phosmet	42	ND
Azoxystrobin	45	ND	Fludioxonil	319	ND	Prophos	322	ND
Bifenazate	44	ND	Hexythiazox	32	ND	Propoxur	42	ND
Boscalid	37	ND	Imazalil	286	ND	Pyridaben	305	ND
Carbaryl	39	ND	Imidacloprid	41	ND	Spinosad A	32	ND
Carbofuran	42	ND	Kresoxim-methyl	150	ND	Spinosad D	53	ND
Chlorantraniliprole	47	ND	Malathion	299	ND	Spiromesifen	293	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	290	ND
Clofentezine	291	ND	Methiocarb	41	ND	Spiroxamine 1	15	ND
Diazinon	284	ND	Methomyl	39	ND	Spiroxamine 2	25	ND
Dichlorvos	294	ND	MGK 264 1	176	ND	Tebuconazole	292	ND
Dimethoate	43	ND	MGK 264 2	116	ND	Thiacloprid	41	ND
E-Fenpyroximate	312	ND	Myclobutanil	43	ND	Thiamethoxam	39	ND
Etofenprox	50	ND	Naled	43	ND	Trifloxystrobin	41	ND
Etoxazole	313	ND	Oxamyl	1500	ND			


 Sam Smith
 1/26/2022
 2:30:00 PM


 Daniel Weidensaul
 1/26/2022
 2:37:00 PM

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APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:

Planetarie Tropical Infusion

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Batch ID or Lot Number: 0122-F4	Test: Residual Solvents	Reported: 1/27/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: N/A	Test ID: T000189040	Started: 1/27/22	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 01/24/2022 @ 04:56 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	90 - 1793	*ND	
Butanes (Isobutane, n-Butane)	177 - 3540	*ND	
Methanol	63 - 1256	*ND	
Pentane	88 - 1765	*ND	
Ethanol	98 - 1961	*ND	
Acetone	98 - 1962	*ND	
Isopropyl Alcohol	104 - 2082	*ND	
Hexane	6 - 114	*ND	
Ethyl Acetate	99 - 1984	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	94 - 1886	*ND	
Toluene	18 - 364	*ND	
Xylenes (m,p,o-Xylenes)	156 - 3115	*ND	


 Sam Smith
 27-Jan-22
 1:56 PM


 Ryan Weems
 27-Jan-22
 1:57 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 Tropical Infusion
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Batch ID or Lot Number: 0122-F4	Test: Metals	Reported: 1/28/22	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000189039	Started: 1/27/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 01/24/2022 @ 04:56 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.61	ND	
Cadmium	0.046 - 4.62	ND	
Mercury	0.046 - 4.56	ND	
Lead	0.044 - 4.44	ND	


 Ryan Weems
 28-Jan-22
 1:43 PM

PREPARED BY / DATE


 Sam Smith
 28-Jan-22
 2:01 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:

Tropical 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: T000171866	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)	4.173	13.529	33.568	1.18	# of Servings = 1 Sample Weight=28.38g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.710	15.270	ND	ND	
Cannabidiolic acid (CBDA)	5.569	16.770	1582.485	55.76	
Cannabidiol (CBD)	5.430	16.350	13.148*	0.46*	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.186	16.814	ND	ND	
Cannabinolic Acid (CBNA)	2.970	9.629	ND	ND	
Cannabinol (CBN)	1.358	4.404	ND	ND	
Cannabigerolic acid (CBGA)	4.353	14.113	45.719	1.61	
Cannabigerol (CBG)	1.041	3.376	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.681	11.934	ND	ND	
Tetrahydrocannabivarin (THCV)	0.947	3.071	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.323	6.995	9.343	0.33	
Cannabidivarin (CBDV)	1.284	3.867	ND	ND	
Cannabichromenic Acid (CBCA)	1.678	5.439	21.466	0.76	
Cannabichromene (CBC)	1.834	5.946	ND	ND	
Total Cannabinoids			1705.729	60.10	
Total Potential THC**			29.439	1.04	
Total Potential CBD**			1400.987	49.37	


 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:

Tropical 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: T000171868	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


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

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:

Tropical 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
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Matrix: Concentrate	Test ID: T000171871	Started: 10/27/21	USDA License: N/A
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Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 10/26/2021 @ 09:31 AM	Sampler ID: N/A
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MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.9 - 121.9	ND	N/A
Aflatoxin B1	1.2 - 31	ND	
Aflatoxin B2	1.1 - 30.9	ND	
Aflatoxin G1	1.1 - 30.9	ND	
Aflatoxin G2	1.5 - 30.2	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Ryan Weems
 28-Oct-21
 1:15 PM


 Sam Smith
 28-Oct-21
 1:18 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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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: T000171867	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

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:

Tropical 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: T000171870	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	70 - 1405	*ND	
Butanes (Isobutane, n-Butane)	140 - 2810	*ND	
Methanol	55 - 1107	*ND	
Pentane	80 - 1599	*ND	
Ethanol	87 - 1745	*ND	
Acetone	87 - 1732	*ND	
Isopropyl Alcohol	97 - 1946	*ND	
Hexane	5 - 104	*ND	
Ethyl Acetate	90 - 1803	*ND	
Benzene	0.2 - 3.6	*ND	
Heptanes	86 - 1724	*ND	
Toluene	16 - 319	*ND	
Xylenes (m,p,o-Xylenes)	117 - 2342	*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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Tropical 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: T000171869	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:

Tropical Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Potency	Reported: 8/30/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Unit	Test ID: T000158510	Started: 8/27/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 08/19/2021 @ 12:08 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)	3.948	13.514	25.748	0.91	# of Servings = 1 Sample Weight=28.35g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.456	15.252	9.537	0.34	
Cannabidiolic acid (CBDA)	5.745	16.097	1537.662	54.24	
Cannabidiol (CBD)	5.601	15.695	27.124	0.96	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	4.906	16.795	ND	ND	
Cannabinolic Acid (CBNA)	2.810	9.618	ND	ND	
Cannabinol (CBN)	1.285	4.399	ND	ND	
Cannabigerolic acid (CBGA)	4.118	14.097	42.089	1.48	
Cannabigerol (CBG)	0.985	3.372	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	3.482	11.920	ND	ND	
Tetrahydrocannabivarin (THCV)	0.896	3.067	ND	ND	
Cannabidivarinic Acid (CBDVA)	2.397	6.715	10.627	0.37	
Cannabidivarin (CBDV)	1.325	3.712	ND	ND	
Cannabichromenic Acid (CBCA)	1.587	5.432	16.609	0.59	
Cannabichromene (CBC)	1.735	5.939	ND	ND	
Total Cannabinoids			1669.396	58.89	
Total Potential THC**			32.118	1.13	
Total Potential CBD**			1375.654	48.52	


 Daniel Weidensaul
 30-Aug-2021
 04:14 PM


 Ryan Weems
 30-Aug-21
 4:15 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:

Tropical Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Microbial Contaminants	Reported: 8/24/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000158512	Started: 8/20/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 08/19/2021 @ 12:08 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	


 Brianne Maillot
 8/23/2021
 3:54:00 PM


 Sarah Henning
 8/24/2021
 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:

Tropical Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Mycotoxins	Reported: 8/24/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000158515	Started: 8/23/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 08/19/2021 @ 12:08 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.6 - 131.3	ND	N/A
Aflatoxin B1	1.1 - 33.7	ND	
Aflatoxin B2	1.1 - 33.1	ND	
Aflatoxin G1	0.9 - 33.3	ND	
Aflatoxin G2	1.2 - 31.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Alex Smith
 Alex Smith
 24-Aug-21
 6:49 AM

PREPARED BY / DATE

Samantha Smith
 Sam Smith
 24-Aug-21
 3:53 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:

Tropical Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Pesticides	Reported: 8/26/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Concentrate	Test ID: T000158511	Started: 8/24/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 08/19/2021 @ 12:08 PM	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	28	ND	Fenoxycarb	41	ND	Paclobutrazol	43	ND
Acetamiprid	30	ND	Fipronil	55	ND	Permethrin	309	ND
Avermectin	273	ND	Flonicamid	58	ND	Phosmet	28	ND
Azoxystrobin	38	ND	Fludioxonil	370	ND	Prophos	370	ND
Bifenazate	42	ND	Hexythiazox	28	ND	Propoxur	34	ND
Boscalid	41	ND	Imazalil	293	ND	Pyridaben	291	ND
Carbaryl	31	ND	Imidacloprid	31	ND	Spinosad A	30	ND
Carbofuran	33	ND	Kresoxim-methyl	150	ND	Spinosad D	60	ND
Chlorantraniliprole	16	ND	Malathion	308	ND	Spiromesifen	226	ND
Chlorpyrifos	500	ND	Metalaxyl	39	ND	Spirotetramat	334	ND
Clofentezine	287	ND	Methiocarb	42	ND	Spiroxamine 1	21	ND
Diazinon	292	ND	Methomyl	29	ND	Spiroxamine 2	22	ND
Dichlorvos	300	ND	MGK 264 1	175	ND	Tebuconazole	339	ND
Dimethoate	39	ND	MGK 264 2	138	ND	Thiacloprid	36	ND
E-Fenpyroximate	274	ND	Myclobutanil	13	ND	Thiamethoxam	34	ND
Etofenprox	40	ND	Naled	42	ND	Trifloxystrobin	35	ND
Etoxazole	301	ND	Oxamyl	1500	ND			


 Sam Smith
 8/26/2021
 4:08:00 PM


 Karen Winternheimer
 8/26/2021
 4:11:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:

Tropical Infusion

Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Residual Solvents	Reported: 8/27/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: N/A	Test ID: T000158514	Started: 8/26/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 08/19/2021 @ 12:08 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	80 - 1592	*ND	
Butanes (Isobutane, n-Butane)	152 - 3041	*ND	
Methanol	58 - 1151	*ND	
Pentane	84 - 1687	*ND	
Ethanol	92 - 1836	*ND	
Acetone	96 - 1915	*ND	
Isopropyl Alcohol	103 - 2062	*ND	
Hexane	6 - 116	*ND	
Ethyl Acetate	96 - 1929	*ND	
Benzene	0 - 4	*ND	
Heptanes	91 - 1829	*ND	
Toluene	17 - 349	*ND	
Xylenes (m,p,o-Xylenes)	126 - 2519	*ND	

 Ryan Weems
27-Aug-21
11:52 AM

 Sam Smith
27-Aug-21
12:05 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Prepared for:

Tropical Infusion
Planetarie

Batch ID or Lot Number: 0721-SB1	Test: Metals	Reported: 8/30/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Other	Test ID: T000158513	Started: 8/27/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 08/19/2021 @ 12:08 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.27	ND	
Cadmium	0.043 - 4.34	ND	
Mercury	0.044 - 4.40	ND	
Lead	0.041 - 4.06	ND	


 Ryan Weems
 30-Aug-21
 11:16 AM

PREPARED BY / DATE


 Daniel Weidensaul
 30-Aug-21
 11:26 AM

APPROVED BY / DATE

Definitions

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

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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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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: 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
www.nordicanalytic.com

Aleksey Nikolayev, PhD, Lab Director

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