


Prepared for:


Peppermint Rub
Planetarie

Batch ID or Lot Number: 1121-F3-3	Test: Potency	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit	Test ID: T000177527	Started: 11/23/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	9.155	25.914	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9THC)	10.333	29.248	ND	ND	# of Servings = 1 Sample Weight=50g
Cannabidiolic acid (CBDA)	9.828	30.427	252.799	5.06	
Cannabidiol (CBD)	9.582	29.666	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	11.378	32.205	ND	ND	
Cannabinolic Acid (CBNA)	6.516	18.443	ND	ND	
Cannabinol (CBN)	2.980	8.436	ND	ND	
Cannabigerolic acid (CBGA)	9.550	27.032	12.692*	0.25*	
Cannabigerol (CBG)	2.285	6.466	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	8.075	22.857	ND	ND	
Tetrahydrocannabivarin (THCV)	2.078	5.882	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.100	12.693	ND	ND	
Cannabidivarin (CBDV)	2.266	7.016	ND	ND	
Cannabichromenic Acid (CBCA)	3.680	10.417	ND	ND	
Cannabichromene (CBC)	4.024	11.389	ND	ND	
Total Cannabinoids			265.491	5.31	
Total Potential THC**			ND	ND	
Total Potential CBD**			221.705	4.43	


 Daniel Weidensaul
 29-Nov-2021
 07:20 PM


 Ryan Weems
 29-Nov-21
 7:24 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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (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.



CDPHE Certified



Certificate #4329.02

Prepared for:

Peppermint Rub
Planetarie

Batch ID or Lot Number: 1121-F3-3	Test: Microbial Contaminants	Reported: 11/26/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000177529	Started: 11/22/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/19/2021 @ 12:20 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	



 Carly Bader
 11/25/2021
 11:28:00 AM



 Courtney Richards
 11/26/2021
 1:02:00 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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Certificate #4329.02

Prepared for:

Peppermint Rub**Planetarie**

Batch ID or Lot Number: 1121-F3-3	Test: Mycotoxins	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177532	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A


MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.2 - 129.2	ND	N/A
Aflatoxin B1	1.1 - 32.8	ND	
Aflatoxin B2	1.2 - 32.9	ND	
Aflatoxin G1	1.1 - 33	ND	
Aflatoxin G2	1.2 - 32.1	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



Ryan Weems
29-Nov-21
3:49 PM

PREPARED BY / DATE



Sam Smith
29-Nov-21
4:04 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:


Peppermint Rub
Planetarie

Batch ID or Lot Number: 1121-F3-3	Test: Pesticides	Reported: 11/30/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177528	Started: 11/29/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	34	ND	Fenoxycarb	47	ND	Paclobutrazol	43	ND
Acetamiprid	43	ND	Fipronil	2	ND	Permethrin	283	ND
Avermectin	274	ND	Flonicamid	47	ND	Phosmet	36	ND
Azoxystrobin	46	ND	Fludioxonil	292	ND	Prophos	283	ND
Bifenazate	43	ND	Hexythiazox	41	ND	Propoxur	43	ND
Boscalid	55	ND	Imazalil	286	ND	Pyridaben	287	ND
Carbaryl	41	ND	Imidacloprid	48	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	47	ND	Malathion	294	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	287	ND
Clofentezine	281	ND	Methiocarb	41	ND	Spiroxamine 1	29	ND
Diazinon	285	ND	Methomyl	42	ND	Spiroxamine 2	27	ND
Dichlorvos	320	ND	MGK 264 1	158	ND	Tebuconazole	289	ND
Dimethoate	45	ND	MGK 264 2	127	ND	Thiacloprid	43	ND
E-Fenpyroximate	287	ND	Myclobutanil	42	ND	Thiamethoxam	36	ND
Etofenprox	46	ND	Naled	41	ND	Trifloxystrobin	48	ND
Etoxazole	296	ND	Oxamyl	1500	ND			


 Karen Winternheimer
 11/30/2021
 1:59:00 PM


 Sam Smith
 11/30/2021
 2:24:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02


Prepared for:

Peppermint Rub
Planetarie

Batch ID or Lot Number: 1121-F3-3	Test: Residual Solvents	Reported: 11/24/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000177531	Started: 11/23/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	93 - 1858	*ND	
Butanes (Isobutane, n-Butane)	186 - 3715	*ND	
Methanol	57 - 1135	*ND	
Pentane	77 - 1542	*ND	
Ethanol	82 - 1639	*ND	
Acetone	91 - 1813	*ND	
Isopropyl Alcohol	97 - 1942	*ND	
Hexane	6 - 110	*ND	
Ethyl Acetate	93 - 1854	*ND	
Benzene	0.2 - 3.7	*ND	
Heptanes	87 - 1732	*ND	
Toluene	17 - 336	*ND	
Xylenes (m,p,o-Xylenes)	122 - 2430	*ND	


 Sam Smith
 24-Nov-21
 2:14 PM

PREPARED BY / DATE


 Ryan Weems
 24-Nov-21
 2:15 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

Peppermint Rub**Planetarie**


Batch ID or Lot Number: 1121-F3-3	Test: Metals	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000177530	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.52	ND	
Cadmium	0.045 - 4.53	ND	
Mercury	0.041 - 4.11	ND	
Lead	0.041 - 4.12	ND	

 Sam Smith
29-Nov-21
10:23 AM

PREPARED BY / DATE

 Ryan Weems
29-Nov-21
10:25 AM

APPROVED BY / DATE

Definitions

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Certificate #4329.02


Prepared for:


Cranberry Spice Infusion
Planetarie

Batch ID or Lot Number: 1121-F3-4	Test: Potency	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit	Test ID: T000177521	Started: 11/23/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	1.770	5.010	10.304	1.07	
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.998	5.655	ND	ND	# of Servings = 1 Sample Weight=9.6g
Cannabidiolic acid (CBDA)	1.900	5.883	513.702	53.51	
Cannabidiol (CBD)	1.853	5.735	8.094	0.84	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	2.200	6.226	ND	ND	
Cannabinolic Acid (CBNA)	1.260	3.566	ND	ND	
Cannabinol (CBN)	0.576	1.631	ND	ND	
Cannabigerolic acid (CBGA)	1.846	5.226	24.081	2.51	
Cannabigerol (CBG)	0.442	1.250	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.561	4.419	ND	ND	
Tetrahydrocannabivarin (THCV)	0.402	1.137	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.793	2.454	3.264	0.34	
Cannabidivarin (CBDV)	0.438	1.356	ND	ND	
Cannabichromenic Acid (CBCA)	0.712	2.014	6.994	0.73	
Cannabichromene (CBC)	0.778	2.202	ND	ND	
Total Cannabinoids			566.439	59.00	
Total Potential THC**			9.037	0.94	
Total Potential CBD**			458.611	47.77	


 Daniel Weidensaul
 29-Nov-2021
 07:20 PM


 Ryan Weems
 29-Nov-21
 7:24 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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (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:

Cranberry Spice Infusion
Planetarie

Batch ID or Lot Number: 1121-F3-4	Test: Microbial Contaminants	Reported: 11/26/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000177523	Started: 11/22/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/19/2021 @ 12:20 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	



 Carly Bader
 11/25/2021
 11:28:00 AM



 Courtney Richards
 11/26/2021
 1:02:00 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
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 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Certificate #4329.02

Prepared for:

Cranberry Spice Infusion**Planetarie**


Batch ID or Lot Number: 1121-F3-4	Test: Mycotoxins	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177526	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4 - 122.7	ND	N/A
Aflatoxin B1	1.1 - 31.2	ND	
Aflatoxin B2	1.1 - 31.2	ND	
Aflatoxin G1	1.1 - 31.3	ND	
Aflatoxin G2	1.1 - 30.5	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

 Ryan Weems
29-Nov-21
3:49 PM

PREPARED BY / DATE

 Sam Smith
29-Nov-21
4:04 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

Cranberry Spice Infusion
Planetarie


Batch ID or Lot Number: 1121-F3-4	Test: Pesticides	Reported: 11/30/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177522	Started: 11/29/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	34	ND	Fenoxycarb	47	ND	Paclobutrazol	43	ND
Acetamiprid	43	ND	Fipronil	2	ND	Permethrin	283	ND
Avermectin	274	ND	Flonicamid	47	ND	Phosmet	36	ND
Azoxystrobin	46	ND	Fludioxonil	292	ND	Prophos	283	ND
Bifenazate	43	ND	Hexythiazox	41	ND	Propoxur	43	ND
Boscalid	55	ND	Imazalil	286	ND	Pyridaben	287	ND
Carbaryl	41	ND	Imidacloprid	48	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	47	ND	Malathion	294	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	287	ND
Clofentezine	281	ND	Methiocarb	41	ND	Spiroxamine 1	29	ND
Diazinon	285	ND	Methomyl	42	ND	Spiroxamine 2	27	ND
Dichlorvos	320	ND	MGK 264 1	158	ND	Tebuconazole	289	ND
Dimethoate	45	ND	MGK 264 2	127	ND	Thiacloprid	43	ND
E-Fenpyroximate	287	ND	Myclobutanil	42	ND	Thiamethoxam	36	ND
Etofenprox	46	ND	Naled	41	ND	Trifloxystrobin	48	ND
Etoxazole	296	ND	Oxamyl	1500	ND			


 Karen Winternheimer
 11/30/2021
 1:59:00 PM

PREPARED BY / DATE


 Sam Smith
 11/30/2021
 2:24:00 PM

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02


Prepared for:

Cranberry Spice Infusion
Planetarie

Batch ID or Lot Number: 1121-F3-4	Test: Residual Solvents	Reported: 11/24/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000177525	Started: 11/23/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	108 - 2162	*ND	
Butanes	216 - 4325	*ND	
(Isobutane, n-Butane)			
Methanol	66 - 1321	*ND	
Pentane	90 - 1795	*ND	
Ethanol	95 - 1908	*ND	
Acetone	106 - 2110	*ND	
Isopropyl Alcohol	113 - 2260	*ND	
Hexane	6 - 129	*ND	
Ethyl Acetate	108 - 2158	*ND	
Benzene	0.2 - 4.3	*ND	
Heptanes	101 - 2016	*ND	
Toluene	20 - 391	*ND	
Xylenes	141 - 2829	*ND	
(m,p,o-Xylenes)			


 Sam Smith
 24-Nov-21
 2:14 PM

PREPARED BY / DATE


 Ryan Weems
 24-Nov-21
 2:15 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02


Prepared for:

Cranberry Spice Infusion**Planetarie**

Batch ID or Lot Number: 1121-F3-4	Test: Metals	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000177524	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A


HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.52	ND	
Cadmium	0.045 - 4.53	ND	
Mercury	0.041 - 4.11	ND	
Lead	0.041 - 4.12	ND	



Sam Smith
29-Nov-21
10:23 AM

PREPARED BY / DATE



Ryan Weems
29-Nov-21
10:25 AM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02


Prepared for:


Holiday Salve
Planetarie

Batch ID or Lot Number: 1121-F2-1	Test: Potency	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit	Test ID: T000177533	Started: 11/23/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	9.773	27.661	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9THC)	11.030	31.221	ND	ND	# of Servings = 1 Sample Weight=56.7g
Cannabidiolic acid (CBDA)	10.491	32.479	1013.061	17.87	
Cannabidiol (CBD)	10.228	31.667	13.529*	0.24*	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	12.145	34.377	ND	ND	
Cannabinolic Acid (CBNA)	6.955	19.687	ND	ND	
Cannabinol (CBN)	3.181	9.005	ND	ND	
Cannabigerolic acid (CBGA)	10.194	28.855	18.284*	0.32*	
Cannabigerol (CBG)	2.439	6.903	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	8.620	24.399	ND	ND	
Tetrahydrocannabivarin (THCV)	2.218	6.278	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.376	13.549	ND	ND	
Cannabidivarin (CBDV)	2.419	7.489	ND	ND	
Cannabichromenic Acid (CBCA)	3.929	11.120	4.837*	0.09*	
Cannabichromene (CBC)	4.295	12.157	ND	ND	
Total Cannabinoids			1049.711	18.51	
Total Potential THC**			ND	ND	
Total Potential CBD**			901.983	15.91	


 Daniel Weidensaul
 29-Nov-2021
 07:20 PM


 Ryan Weems
 29-Nov-21
 7:24 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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (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:

Holiday Salve
Planetarie

Batch ID or Lot Number: 1121-F2-1	Test: Microbial Contaminants	Reported: 11/26/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000177535	Started: 11/22/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/19/2021 @ 12:20 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	



 Carly Bader
 11/25/2021
 11:28:00 AM



 Courtney Richards
 11/26/2021
 1:02:00 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:

Holiday Salve**Planetarie**

Batch ID or Lot Number: 1121-F2-1	Test: Mycotoxins	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177538	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A


MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.1 - 126	ND	N/A
Aflatoxin B1	1.1 - 32	ND	
Aflatoxin B2	1.2 - 32.1	ND	
Aflatoxin G1	1.1 - 32.2	ND	
Aflatoxin G2	1.2 - 31.3	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



Ryan Weems
29-Nov-21
3:49 PM

PREPARED BY / DATE



Sam Smith
29-Nov-21
4:04 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:

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Planetarie

Batch ID or Lot Number: 1121-F2-1	Test: Pesticides	Reported: 11/30/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000177534	Started: 11/29/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	34	ND	Fenoxycarb	47	ND	Paclobutrazol	43	ND
Acetamiprid	43	ND	Fipronil	2	ND	Permethrin	283	ND
Avermectin	274	ND	Flonicamid	47	ND	Phosmet	36	ND
Azoxystrobin	46	ND	Fludioxonil	292	ND	Prophos	283	ND
Bifenazate	43	ND	Hexythiazox	41	ND	Propoxur	43	ND
Boscalid	55	ND	Imazalil	286	ND	Pyridaben	287	ND
Carbaryl	41	ND	Imidacloprid	48	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	51	ND
Chlorantraniliprole	47	ND	Malathion	294	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	287	ND
Clofentezine	281	ND	Methiocarb	41	ND	Spiroxamine 1	29	ND
Diazinon	285	ND	Methomyl	42	ND	Spiroxamine 2	27	ND
Dichlorvos	320	ND	MGK 264 1	158	ND	Tebuconazole	289	ND
Dimethoate	45	ND	MGK 264 2	127	ND	Thiacloprid	43	ND
E-Fenpyroximate	287	ND	Myclobutanil	42	ND	Thiamethoxam	36	ND
Etofenprox	46	ND	Naled	41	ND	Trifloxystrobin	48	ND
Etoxazole	296	ND	Oxamyl	1500	ND			


 Karen Winternheimer
 11/30/2021
 1:59:00 PM

PREPARED BY / DATE


 Sam Smith
 11/30/2021
 2:24:00 PM

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Prepared for:

Holiday Salve
Planetarie

Batch ID or Lot Number: 1121-F2-1	Test: Residual Solvents	Reported: 11/24/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000177537	Started: 11/23/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	106 - 2124	*ND	
Butanes	212 - 4248	*ND	
(Isobutane, n-Butane)			
Methanol	65 - 1298	*ND	
Pentane	88 - 1763	*ND	
Ethanol	94 - 1874	*ND	
Acetone	104 - 2073	*ND	
Isopropyl Alcohol	111 - 2220	*ND	
Hexane	6 - 126	*ND	
Ethyl Acetate	106 - 2120	*ND	
Benzene	0.2 - 4.2	*ND	
Heptanes	99 - 1980	*ND	
Toluene	19 - 384	*ND	
Xylenes	139 - 2778	*ND	
(m,p,o-Xylenes)			


 Sam Smith
 24-Nov-21
 2:14 PM

PREPARED BY / DATE


 Ryan Weems
 24-Nov-21
 2:15 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:

Holiday Salve**Planetarie**


Batch ID or Lot Number: 1121-F2-1	Test: Metals	Reported: 11/29/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000177536	Started: 11/24/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/19/2021 @ 12:20 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.52	ND	
Cadmium	0.045 - 4.53	ND	
Mercury	0.041 - 4.11	ND	
Lead	0.041 - 4.12	ND	


Sam Smith
29-Nov-21
10:23 AM

PREPARED BY / DATE


Ryan Weems
29-Nov-21
10:25 AM

APPROVED BY / DATE

Definitions

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

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