


Prepared for:


**Planetarie Pink Grapefruit Salve**
**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Potency</b>	Reported: <b>6/7/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Unit	Test ID: T000208796	Started: 6/6/22	USDA License: N/A
Status: Active	Method: TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**CANNABINOID PROFILE**

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	7.636	25.262	7.689	0.14	# of Servings = 1 Sample Weight=56.7g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	8.619	28.513	ND	ND	
Cannabidiolic acid (CBDA)	10.292	30.429	990.410	17.47	
Cannabidiol (CBD)	10.035	29.668	<LOQ	0.35	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	9.490	31.395	ND	ND	
Cannabinolic Acid (CBNA)	5.435	17.980	ND	ND	
Cannabinol (CBN)	2.486	8.224	ND	ND	
Cannabigerolic acid (CBGA)	7.966	26.353	<LOQ	0.42	
Cannabigerol (CBG)	1.906	6.304	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	6.736	22.282	ND	ND	
Tetrahydrocannabivarin (THCV)	1.733	5.734	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.294	12.693	38.504	0.68	
Cannabidivarin (CBDV)	2.373	7.017	ND	ND	
Cannabichromenic Acid (CBCA)	3.070	10.155	<LOQ	0.08	
Cannabichromene (CBC)	3.356	11.103	ND	ND	
<b>Total Cannabinoids</b>			<b>1084.491</b>	<b>19.13</b>	
Total Potential THC**			6.743	0.12	
Total Potential CBD**			888.241	15.67	


 Ryan Weems  
 7-Jun-22  
 3:35 PM


 Karen Winternheimer  
 7-Jun-22  
 3:40 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* 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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CDPHE Certified



Certificate #4329.02


Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Finished Product	Test ID: T000208798	Started: 6/2/22	USDA License: N/A
Status: Active	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**MICROBIAL CONTAMINANTS DETERMINATION**

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	

  
 Brett Hudson  
 6/5/2022  
 12:27:00 PM

  
 Brianne Maillot  
 6/6/2022  
 5:24:00 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: 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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CDPHE Certified



Certificate #4329.02

Prepared for:

**Planetarie Pink Grapefruit Salve****Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Mycotoxins</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Concentrate	Test ID: T000208801	Started: 6/6/22	USDA License: N/A
Status: Active	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.8 - 132	ND	N/A
Aflatoxin B1	0.9 - 33.5	ND	
Aflatoxin B2	1.1 - 33.5	ND	
Aflatoxin G1	1 - 33.2	ND	
Aflatoxin G2	1.3 - 34.2	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	

Ryan Weems  
6-Jun-22  
4:42 PMSam Smith  
6-Jun-22  
4:47 PM

PREPARED BY / DATE

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.



Certificate #4329.02

Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**


Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Pesticides</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
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Matrix: Concentrate	Test ID: T000208797	Started: 6/3/22	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 06/02/2022 @ 09:10 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	45	ND	Fenoxycarb	40	ND	Paclobutrazol	42	ND
Acetamiprid	41	ND	Fipronil	45	ND	Permethrin	274	ND
Abamectin	282	ND	Fonicamid	45	ND	Phosmet	41	ND
Azoxystrobin	45	ND	Fludioxonil	286	ND	Prophos	287	ND
Bifenazate	42	ND	Hexythiazox	44	ND	Propoxur	41	ND
Boscalid	42	ND	Imazalil	270	ND	Pyridaben	299	ND
Carbaryl	39	ND	Imidacloprid	43	ND	Spinosad A	26	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	56	ND	Malathion	289	ND	Spiromesifen	297	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	313	ND
Clofentezine	242	ND	Methiocarb	48	ND	Spiroxamine 1	15	ND
Diazinon	290	ND	Methomyl	43	ND	Spiroxamine 2	23	ND
Dichlorvos	291	ND	MGK 264 1	172	ND	Tebuconazole	264	ND
Dimethoate	45	ND	MGK 264 2	112	ND	Thiacloprid	45	ND
E-Fenpyroximate	284	ND	Myclobutanil	34	ND	Thiamethoxam	48	ND
Etofenprox	43	ND	Naled	32	ND	Trifloxystrobin	45	ND
Etoxazole	295	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 6/6/2022  
 2:13:00 PM

  
 Ryan Weems  
 6/6/2022  
 2:16:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

*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.*



Certificate #4329.02

Prepared for:

**Planetarie Pink Grapefruit Salve**

**Planetarie**


Batch ID or Lot Number: **0522-3FL49**      Test: **Residual Solvents**      Reported: **6/6/22**      Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550


Matrix: N/A      Test ID: T000208800      Started: 6/3/22      USDA License: N/A

Status: Active      Methods: TM04 (GC-MS): Residual Solvents      Received: 06/02/2022 @ 09:10 AM      Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	62 - 1248	*ND	
Butanes (Isobutane, n-Butane)	130 - 2591	*ND	
Methanol	51 - 1022	*ND	
Pentane	70 - 1394	*ND	
Ethanol	78 - 1554	*ND	
Acetone	79 - 1570	*ND	
Isopropyl Alcohol	82 - 1640	*ND	
Hexane	5 - 95	*ND	
Ethyl Acetate	81 - 1617	*ND	
Benzene	0.2 - 3.5	*ND	
Heptanes	81 - 1614	*ND	
Toluene	15 - 305	*ND	
Xylenes (m,p,o-Xylenes)	112 - 2243	*ND	

 Sam Smith  
6-Jun-22  
5:00 PM

 Ryan Weems  
6-Jun-22  
5:03 PM

PREPARED BY / DATE

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.



Certificate #4329.02


Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Metals</b>	Reported: <b>6/7/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Unit Co	Test ID: T000208799	Started: 6/7/22	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS): Heavy Metals	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Arsenic</b>	0.043 - 4.34	ND	
<b>Cadmium</b>	0.045 - 4.52	ND	
<b>Mercury</b>	0.046 - 4.61	ND	
<b>Lead</b>	0.046 - 4.65	ND	


 Kayla Phye  
 7-Jun-22  
 12:43 PM

PREPARED BY / DATE


 Ryan Weems  
 7-Jun-22  
 12:50 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:


**Planetarie Pink Grapefruit Salve**
**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Potency</b>	Reported: <b>6/7/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Unit	Test ID: T000208796	Started: 6/6/22	USDA License: N/A
Status: Active	Method: TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**CANNABINOID PROFILE**

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	7.636	25.262	7.689	0.14	# of Servings = 1 Sample Weight=56.7g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	8.619	28.513	ND	ND	
Cannabidiolic acid (CBDA)	10.292	30.429	990.410	17.47	
Cannabidiol (CBD)	10.035	29.668	<LOQ	0.35	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	9.490	31.395	ND	ND	
Cannabinolic Acid (CBNA)	5.435	17.980	ND	ND	
Cannabinol (CBN)	2.486	8.224	ND	ND	
Cannabigerolic acid (CBGA)	7.966	26.353	<LOQ	0.42	
Cannabigerol (CBG)	1.906	6.304	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	6.736	22.282	ND	ND	
Tetrahydrocannabivarin (THCV)	1.733	5.734	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.294	12.693	38.504	0.68	
Cannabidivarin (CBDV)	2.373	7.017	ND	ND	
Cannabichromenic Acid (CBCA)	3.070	10.155	<LOQ	0.08	
Cannabichromene (CBC)	3.356	11.103	ND	ND	
<b>Total Cannabinoids</b>			<b>1084.491</b>	<b>19.13</b>	
Total Potential THC**			6.743	0.12	
Total Potential CBD**			888.241	15.67	


 Ryan Weems  
 7-Jun-22  
 3:35 PM


 Karen Winternheimer  
 7-Jun-22  
 3:40 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

\*\* 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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CDPHE Certified



Certificate #4329.02

Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**


Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
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Matrix: Finished Product	Test ID: T000208798	Started: 6/2/22	USDA License: N/A
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Status: Active	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A
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**MICROBIAL CONTAMINANTS DETERMINATION**

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	

  
 Brett Hudson  
 6/5/2022  
 12:27:00 PM

  
 Brianne Maillot  
 6/6/2022  
 5:24:00 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: 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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CDPHE Certified



Certificate #4329.02



Prepared for:

**Planetarie Pink Grapefruit Salve****Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Mycotoxins</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Concentrate	Test ID: T000208801	Started: 6/6/22	USDA License: N/A
Status: Active	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.8 - 132	ND	N/A
Aflatoxin B1	0.9 - 33.5	ND	
Aflatoxin B2	1.1 - 33.5	ND	
Aflatoxin G1	1 - 33.2	ND	
Aflatoxin G2	1.3 - 34.2	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	

Ryan Weems  
6-Jun-22  
4:42 PMSam Smith  
6-Jun-22  
4:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02

Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**


Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Pesticides</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
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Matrix: Concentrate	Test ID: T000208797	Started: 6/3/22	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 06/02/2022 @ 09:10 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	45	ND	Fenoxycarb	40	ND	Paclobutrazol	42	ND
Acetamiprid	41	ND	Fipronil	45	ND	Permethrin	274	ND
Abamectin	282	ND	Flonicamid	45	ND	Phosmet	41	ND
Azoxystrobin	45	ND	Fludioxonil	286	ND	Prophos	287	ND
Bifenazate	42	ND	Hexythiazox	44	ND	Propoxur	41	ND
Boscalid	42	ND	Imazalil	270	ND	Pyridaben	299	ND
Carbaryl	39	ND	Imidacloprid	43	ND	Spinosad A	26	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	56	ND	Malathion	289	ND	Spiromesifen	297	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	313	ND
Clofentezine	242	ND	Methiocarb	48	ND	Spiroxamine 1	15	ND
Diazinon	290	ND	Methomyl	43	ND	Spiroxamine 2	23	ND
Dichlorvos	291	ND	MGK 264 1	172	ND	Tebuconazole	264	ND
Dimethoate	45	ND	MGK 264 2	112	ND	Thiacloprid	45	ND
E-Fenpyroximate	284	ND	Myclobutanil	34	ND	Thiamethoxam	48	ND
Etofenprox	43	ND	Naled	32	ND	Trifloxystrobin	45	ND
Etoxazole	295	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 6/6/2022  
 2:13:00 PM

  
 Ryan Weems  
 6/6/2022  
 2:16:00 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:


**Planetarie Pink Grapefruit Salve**


**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Residual Solvents</b>	Reported: <b>6/6/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: N/A	Test ID: T000208800	Started: 6/3/22	USDA License: N/A
Status: Active	Methods: TM04 (GC-MS): Residual Solvents	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	62 - 1248	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	130 - 2591	*ND	
<b>Methanol</b>	51 - 1022	*ND	
<b>Pentane</b>	70 - 1394	*ND	
<b>Ethanol</b>	78 - 1554	*ND	
<b>Acetone</b>	79 - 1570	*ND	
<b>Isopropyl Alcohol</b>	82 - 1640	*ND	
<b>Hexane</b>	5 - 95	*ND	
<b>Ethyl Acetate</b>	81 - 1617	*ND	
<b>Benzene</b>	0.2 - 3.5	*ND	
<b>Heptanes</b>	81 - 1614	*ND	
<b>Toluene</b>	15 - 305	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	112 - 2243	*ND	


 Sam Smith  
 6-Jun-22  
 5:00 PM


 Ryan Weems  
 6-Jun-22  
 5:03 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02


Prepared for:

**Planetarie Pink Grapefruit Salve**
**Planetarie**

Batch ID or Lot Number: <b>0522-3FL49</b>	Test: <b>Metals</b>	Reported: <b>6/7/22</b>	Location: 1070 Diamond Valley Dr. Ste. 200 Windsor, CO 80550
Matrix: Unit Co	Test ID: T000208799	Started: 6/7/22	USDA License: N/A
Status: Active	Method: TM19 (ICP-MS): Heavy Metals	Received: 06/02/2022 @ 09:10 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Arsenic</b>	0.043 - 4.34	ND	
<b>Cadmium</b>	0.045 - 4.52	ND	
<b>Mercury</b>	0.046 - 4.61	ND	
<b>Lead</b>	0.046 - 4.65	ND	


 Kayla Phye  
 7-Jun-22  
 12:43 PM

PREPARED BY / DATE


 Ryan Weems  
 7-Jun-22  
 12:50 PM

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02


Prepared for:


**Planetarie Salve**
**Planetarie**

Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Potency</b>	Reported: <b>4/1/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit	Test ID: T000200327	Started: 3/31/22	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**CANNABINOID PROFILE**

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	8.948	27.122	11.425	0.20	# of Servings = 1 Sample Weight=56.7g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	10.099	30.612	ND	ND	
Cannabidiolic acid (CBDA)	9.599	29.439	1023.717	18.05	
Cannabidiol (CBD)	9.359	28.702	42.097	0.74	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	11.120	33.707	ND	ND	
Cannabinolic Acid (CBNA)	6.368	19.303	ND	ND	
Cannabinol (CBN)	2.913	8.829	ND	ND	
Cannabigerolic acid (CBGA)	9.334	28.293	15.037*	0.27*	
Cannabigerol (CBG)	2.233	6.768	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	7.893	23.923	ND	ND	
Tetrahydrocannabivarin (THCV)	2.031	6.156	ND	ND	
Cannabidivarinic Acid (CBDVA)	4.004	12.280	15.847	0.28	
Cannabidivarin (CBDV)	2.213	6.788	ND	ND	
Cannabichromenic Acid (CBCA)	3.597	10.903	5.554*	0.1*	
Cannabichromene (CBC)	3.933	11.920	ND	ND	
<b>Total Cannabinoids</b>			<b>1113.677</b>	<b>19.64</b>	
Total Potential THC**			10.020	0.18	
Total Potential CBD**			939.897	16.58	


 Daniel Weidensaul  
 1-Apr-22  
 1:38 PM


 Jacob Miller  
 1-Apr-22  
 1:42 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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CDPHE Certified



Certificate #4329.02


Prepared for:


**Planetarie Salve**
**Planetarie**

Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>4/4/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Finished Product	Test ID: T000200329	Started: 3/30/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**MICROBIAL CONTAMINANTS DETERMINATION**

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	

  
 Brett Hudson  
 4/2/2022  
 3:27:00 PM

  
 Jackson Osaghae-Nosa  
 4/4/2022  
 8:45:00 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: 10<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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CDPHE Certified



Certificate #4329.02

Prepared for:

**Planetarie Salve**
**Planetarie**

Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Mycotoxins</b>	Reported: <b>3/31/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000200332	Started: 3/30/22	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.6 - 130.1	ND	N/A
Aflatoxin B1	0.9 - 32.8	ND	
Aflatoxin B2	1.1 - 33.3	ND	
Aflatoxin G1	1.2 - 32	ND	
Aflatoxin G2	1.2 - 31.5	ND	
<b>Total Aflatoxins (B1, B2, G1, and G2)</b>		ND	



 Sam Smith  
 31-Mar-22  
 10:15 AM

PREPARED BY / DATE



 Ryan Weems  
 31-Mar-22  
 10:17 AM

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:


**Planetarie Salve**
**Planetarie**

Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Pesticides</b>	Reported: <b>4/4/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000200328	Started: 4/1/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**PESTICIDE DETERMINATION**

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	46	ND	Fenoxycarb	44	ND	Paclobutrazol	47	ND
Acetamiprid	41	ND	Fipronil	43	ND	Permethrin	292	ND
Avermectin	301	ND	Flonicamid	47	ND	Phosmet	40	ND
Azoxystrobin	45	ND	Fludioxonil	294	ND	Prophos	274	ND
Bifenazate	43	ND	Hexythiazox	44	ND	Propoxur	42	ND
Boscalid	40	ND	Imazalil	270	ND	Pyridaben	286	ND
Carbaryl	42	ND	Imidacloprid	42	ND	Spinosad A	37	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	49	ND
Chlorantraniliprole	43	ND	Malathion	279	ND	Spiromesifen	274	ND
Chlorpyrifos	500	ND	Metalaxyl	44	ND	Spirotetramat	258	ND
Clofentezine	279	ND	Methiocarb	44	ND	Spiroxamine 1	13	ND
Diazinon	275	ND	Methomyl	44	ND	Spiroxamine 2	16	ND
Dichlorvos	296	ND	MGK 264 1	162	ND	Tebuconazole	278	ND
Dimethoate	40	ND	MGK 264 2	66	ND	Thiacloprid	40	ND
E-Fenpyroximate	283	ND	Myclobutanil	54	ND	Thiamethoxam	40	ND
Etofenprox	43	ND	Naled	51	ND	Trifloxystrobin	44	ND
Etoxazole	289	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 4/4/2022  
 3:20:00 PM

  
 Daniel Weidensaul  
 4/4/2022  
 3:24:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Prepared for:


**Planetarie Salve**


**Planetarie**

Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Residual Solvents</b>	Reported: <b>4/4/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000200331	Started: 4/1/22	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	66 - 1324	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	132 - 2630	*ND	
<b>Methanol</b>	48 - 952	*ND	
<b>Pentane</b>	69 - 1379	*ND	
<b>Ethanol</b>	65 - 1294	*ND	
<b>Acetone</b>	71 - 1425	*ND	
<b>Isopropyl Alcohol</b>	77 - 1541	*ND	
<b>Hexane</b>	5 - 96	*ND	
<b>Ethyl Acetate</b>	78 - 1565	*ND	
<b>Benzene</b>	0.1 - 2.9	*ND	
<b>Heptanes</b>	71 - 1416	*ND	
<b>Toluene</b>	13 - 254	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	85 - 1695	*ND	

 Jacob Miller  
4-Apr-22  
9:48 AM

 Sam Smith  
4-Apr-22  
9:52 AM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02


Prepared for:

**Planetarie Salve**
**Planetarie**


Batch ID or Lot Number: <b>0322-3FL49</b>	Test: <b>Metals</b>	Reported: <b>4/1/22</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000200330	Started: 3/31/22	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 03/29/2022 @ 01:28 PM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.041 - 4.08	ND	
Cadmium	0.043 - 4.31	ND	
Mercury	0.041 - 4.14	ND	
Lead	0.042 - 4.15	ND	


 Daniel Weidensaul  
 1-Apr-22  
 6:54 AM

PREPARED BY / DATE


 Sam Smith  
 1-Apr-22  
 6:57 AM

APPROVED BY / DATE

**Definitions**

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

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Certificate #4329.02



# 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 Topical Salve,  
Pink Grapefruit C3

**Sample Batch:**

**Sample Type:** Topical

**Test Type:** Potency

**Nordic ID:** 259859

**Date Received:** 04/14/2020

**Date Tested:** 04/16/2020

**Date Approved:** 04/16/2020

**License Number:** 403H-80970

**METRC Tag:** 1A4000712682A2A000004062

**Seal State:** Intact

## Potency Report

Cannabinoid	Total mg	PASS/FAIL
THC	ND	-
THCA	18.20	-
CBD	ND	-
CBDA	1086.42	-
CBN	ND	-
CBG	ND	-
CBGA	32.97	-
CBC	ND	-
CBDV	ND	-
THCV	ND	-
Total	1137.59	-

ND = Non-Detect  
NR = Non-Reportable Value

**Laboratory Notes:**

**SOP Reference:**  
Nordic SOP 005-001 (sample prep), Nordic SOP 005-002 (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 Topical Salve,  
Pink Grapefruit C3  
**Sample Batch:**  
**Sample Type:** Topical  
**Test Type:** Residual Solvents (RSA)  
**Nordic ID:** 259864

**Date Received:** 04/14/2020  
**Date Tested:** 04/16/2020  
**Date Approved:** 04/16/2020  
**License Number:** 403H-80970  
**METRC Tag:** 1A4000712682A2A000004062  
**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

<b>Company Name:</b>	Result Group Colorado	<b>Date Received:</b>	04/14/2020
<b>Sample Name:</b>	Planetarie LLC-CBDa Topical Salve, Pink Grapefruit C3	<b>Date Tested:</b>	04/17/2020
<b>Sample Batch:</b>		<b>Date Approved:</b>	04/17/2020
<b>Sample Type:</b>	Topical	<b>License Number:</b>	403H-80970
<b>Test Type:</b>	Pesticides	<b>METRC Tag:</b>	1A4000712682A2A000004062
<b>Nordic ID:</b>	259869	<b>Seal State:</b>	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

<b>Company Name:</b>	Result Group Colorado	<b>Date Received:</b>	04/14/2020
<b>Sample Name:</b>	Planetarie LLC-CBDa Topical Salve, Pink Grapefruit C3	<b>Date Tested:</b>	04/18/2020
<b>Sample Batch:</b>		<b>Date Approved:</b>	04/18/2020
<b>Sample Type:</b>	Topical	<b>License Number:</b>	403H-80970
<b>Test Type:</b>	Microbial: Full	<b>METRC Tag:</b>	1A4000712682A2A000004062
<b>Nordic ID:</b>	259879	<b>Seal State:</b>	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 Topical Salve,  
Pink Grapefruit C3  
**Sample Batch:**  
**Sample Type:** Topical  
**Test Type:** Heavy Metals  
**Nordic ID:** 259874

**Date Received:** 04/14/2020  
**Date Tested:** 04/22/2020  
**Date Approved:** 04/22/2020  
**License Number:** 403H-80970  
**METRC Tag:** 1A4000712682A2A000004062  
**Seal State:** Intact

## Heavy Metals Report

Metal	Result (ppm)	Limit (ppm)	Pass/Fail
Arsenic (As)	ND	3	PASS
Cadmium (Cd)	ND	3	PASS
Mercury (Hg)	ND	1	PASS
Lead (Pb)	NR	10	PASS

ND = Non-Detect  
NR = Non-Reportable Value

### Laboratory Notes:

SOP Reference:  
Nordic Analytical SOP: 005-012

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